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CHEMICAL ABSTRACTS

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II. SUBJECT INDEX

KEY

In using this index the following should be borne in mind:

1. Subjects, not words, have been indexed.
2. Abstracts, not merely their titles, have been considered in indexing.
3. The small superior numeral which accompanies each reference number designates the fraction of the column in ninths in which the subject being indexed is first considered.
4. "P" before a column number indicates that the abstract is of a patent.
5. The alphabetizing of index headings has been done on the basis first of that part which comes before the comma in such headings as *Copper, metallurgy of* and *Phenol, p-nitro-*. E.g., these headings come before the headings *Copper compounds* and *Phenol condensation products*, respectively.
6. Organic compounds are indexed on the basis of "parent compounds," or more accurately, "index compounds" (see Introduction), the names of substituent radicals following in alphabetical order. The system of naming organic compounds which has been used is outlined in the Introduction below. Esters and salts of organic acids are, in general, indexed under the names of the acids; notes in the index

under the appropriate headings explain the few exceptions.

7. An asterisk (*) following the name of an organic compound entered in the index signifies that the name, or numbering, or both are the author's own and may not conform to the system of nomenclature used in this index. This sign is used where it has seemed inadvisable, owing to incomplete information, to attempt to make the name conform to the system, or where the author's name, differing widely from the one given to the compound by the indexer, is given as an extra entry.

8. A dagger (†), which follows the names of a few compounds, signifies that the entry is an extra one, the name being only slightly less favored than the one chosen for the other entry. The preferred name can be determined by reference to the Formula Index.

The desirability of making the index readily usable without the need of reference to an elaborate introduction has been held constantly in mind. Although an introduction seems desirable and should be helpful, nevertheless the index is dependent neither on the Key nor on the Introduction. Numerous cross references are given throughout the index, and notes appear in connection with certain headings. An examination of the Introduction, which follows, should be especially helpful to those interested in looking up organic compounds.

INTRODUCTION

General policy. The indexing of subjects, as opposed to word indexing, has been emphasized. This avoids omissions, scattering and unnecessary entries, with the abundant cross references used it means that one should be able to find all of the references on any subject with certainty and with a minimum of effort. The words used as subject headings or modifying phrases are not necessarily to be found in the abstracts but an expression of the idea suggested will be found within or beginning in the ninth of the column designated by the small superior numeral following the column number. Chemical com-

pounds have been named and entered systematically, the system used is outlined below. All new compounds and all elements, compounds and other substances for which new data are given have been indexed, with the single exception of new compounds for which no names or structures have been given. Such compounds are entered only in the Formula Index. The Subject Index is in no other respect altered because of the Formula Index.

Modifying phrases. In writing such phrases for the entries under any heading the words have been arranged so that the idea considered to be the most important is ex-

pressed at the beginning whenever feasible and this procedure, as well as the selection of the words for this purpose, has been governed by numerous formulated general principles and specific rules. E. g., "detection of" has been used consistently whenever correct at the beginning of the modifications in indexing subjects treated from a qualitative analytical point of view, instead of permitting a scattering under such additional phrases as "test for," "reaction for," etc., regardless of what words may have been used in the text. In the case of appropriate headings the selection of first words for modifications has been made on the basis of a definite system of classification. In alphabetizing modifying phrases prepositions at the beginning have been ignored.

Inorganic compounds. Simple inorganic compounds have been entered under the usual names. With the exception of a few common compounds, such as carbon dioxide and carbon monoxide, compounds of a given element with another or with a definite radical, which differ only in valence relations with regard to the cations, have been grouped. E. g., the various oxides of nitrogen are grouped under the heading "*Nitrogen oxides*" and classified there, bold face formulas being used as subheadings, and for compounds of iron, gold, copper and tin such headings as *Iron sulfates*, under which the 'ous' and 'ic' salts are entered, have been used rather than headings beginning with 'ferric(ous),' "auric(ous)," "cupric(ous)" or "stannic(ous)."

Acid salts and many basic salts have been grouped under the simple names for the neutral or normal salts, e. g., *Ammonium phosphates*, *Copper chlorides*, also with the use of bold face formulas as subheadings. In certain cases, basic salts have been entered under names such as *Bismuth oxyhydrate* and *Uranil nitrate*. Class names such as *Bicarbonates* have been used as headings.

In many instances (guiding cross references have been entered) acids and salts have been grouped under such headings as *Silicic acids* or *Calcium aluminates* with the avoidance of headings with prefixes such as meso-, meta-, ortho-, para-, pyro-, di-, tri- and poly-.

For binary compounds and mixed halides the order of decreasing electropositivity for nonmetallic elements given in the report of the German Commission for Nomenclature¹ has been followed: Sb, As, V, Si, C, P, Te, Se, S, I, Br, Cl, N, O, F, except that the headings *Fluorine oxides*, *Nitrogen chloride*, *Nitrogen iodide*, etc., have been used.

Binary compounds of hydrogen have been indexed for the most part under the names most commonly used, e. g., *Arsine*, *Borane* and *Boron hydrides*, *Hydrochloric acid* and *Hydrogen sulfide*.

Complex inorganic compounds, which cannot be given definite names satisfactory for index entries have usually been indexed under the heading which represents the class of compounds concerned and under a heading based on the name of the significant element. Ammino compounds have been treated in this manner: in addition to the significant-element entry an entry has been made at *Ammino compounds* or in some cases at the heading for the specific organic base that may play the same role as NH_3 . I. e., *tetramminecupric sulfate* would be indexed under

Ammino compounds and under *Copper compounds*, and $[Ag(C_{11}H_8N_3)]NO_3 \cdot H_2O$ under *1,10-Phenanthroline* and *Silver compounds*. The headings *Acetato compounds* and *Oxalato compounds* have been used for entries for specific compounds, but similar special treatment has not been extended to other acid radicals grouped around the central coordinating elements. For many compounds of intermediate complexity with names that might be considered suitable for index entries but that are not generally recognized, two or more entries have been made, as under such a general heading as *Chromium compounds* and under the specific acid or salt name used by the author or selected as suitable. E. g., entries would be made at both *Rhodium compounds* and *Potassium fluororhodate* for K_3RhF_6 , and at *Copper compounds*, *Tartaric acid* and *Sodium cuprotrinitrate* for $NaCuC_4H_4O_6 \cdot 2H_2O$. For complexes of the better-known types such as chloroplatinate, fluoborates and phosphomolybdates, entries have been made only at the names of the specific compounds. For the relatively simpler coordinated compounds containing the halogens, the cyano group or any of a few other groups, names have been favored with endings derived from the central coordinating element except for such well-established names as cobalt and cobalto-cyanide, cobalt- and cobalto-nitrite and ferro- and ferro-cyanide. E. g., chloroplatinate, chloroplatinite, cyanoargentate and nitronitrate(II) have been preferred to platinumchloride, platinumchloride, argentocyanide and nickelnitrite, respectively (a Roman numeral has been used with an invariable -ic or -ate ending to denote the valency of the central coordinating element in a few cases in which no corresponding well-established oxygen acids are known). In still other instances compounds have been named as double salts where such names seemed more suitable, with double entries for those with two cations (e. g., at *Ammonium magnesium phosphate* and *Magnesium ammonium phosphate*) and with single entries for those with two anions, the anions being given in alphabetical order (e. g., *Calcium aluminate sulfate*).

In general, the chief determining factors in the selection of names have been conformity with usage and with indexing policy. Cross references have been entered and for formulas introduced wherever they might prove helpful. The Formula Index, which follows the Subject Index, should be particularly helpful in locating complex compounds.

Deuterium compounds. These have been named for indexing by the modified Boughton system favored by the Nomenclature, Spelling and Pronunciation Committee of the American Chemical Society.¹ According to this system the substitution of deuterium for hydrogen in a compound is designated by the use of *d* following the common name for the hydrogen compound as shown by the following examples:

| | |
|-------------|------------------------------|
| NH_3 | ammmonia-d |
| NHD_2 | ammmonia-d ₂ |
| ND_3 | ammmonia-d ₃ |
| CH_3CO_2D | acetic acid-d |
| CD_3CO_2D | acetic-d ₂ acid-d |
| CH_4 | methane-d |
| CD_3Br | methane d', dibromio |

¹ Meyer *Helv. Chim. Acta* 50, 159-75 (1937).

² Crane *Science* 80, 59-9 (1934).

This method serves to keep the deuterium compounds close to the corresponding hydrogen compounds in the index. It also avoids the longer and sometimes confusing names arrived at by the use of "deuterio-" in the manner commonly employed in organic chemistry to designate substituents. The modified Boughton names depart least from established nomenclature, are suitable for both inorganic and organic compounds, contributed to ease of thinking, are convenient for other use as well as indexing and fit the conception that compounds containing deuterium are after all compounds of a form of hydrogen. It has been found that the "deuterio-" system results in many strange names which have to be deciphered only to find the compounds old friends in disguise. With D used as the symbol for deuterium, cross references from the Formula Index to the Subject Index have been used or complete entries have been made.

Organic compounds. Except for the modifications listed in the Note below, the system used for naming and indexing organic compounds is the same as that in use starting with the 1916 volume. An explanation of it by Austin M. Patterson and Carlton E. Curran, who are its originators, has appeared in another journal of the Society.¹ The system is based on existing usage and follows this as far as is practicable, so that a great many familiar names are unaffected. Only the general principles will be given here, but in the index itself will be found abundant cross references and also notes under *Alcohols*, *Ketones*, etc., indicating how compounds of these classes are named.²

1 The "chief function" of a compound is expressed in the main part of the name wherever possible, and not as a substituent, thus: Pyrrolicarboxylic acid, not carboxypyrrole; ethyl alcohol or ethanol, not hydroxyethane; pentanone, not oxopentane.

2 In compounds of mixed function, the chief function is determined from the following order of precedence: "onium" compounds, acid (carboxylic first), acid halide, amide, imide, aldehyde, nitrile, ketone, alcohol, phenol, thiol, amine, imine, ether, sulfide (and sulfoxide and sulfone). Thus, hydroxybenzonitrile, not cyanophenol; aminophenol, not hydroxyaniline.

3 A multiple chief function is expressed where feasible as -diol, -dicarboxylic acid, etc., rather than as hydroxyol, carboxy-acid, etc. But amino and imino groups attached to cyclic bases are treated as substituents, as, aminopyridine.

4 The index compound should be as large, and the substituents as small, as is practicable in conformity with the above rules; as, ethylbenzene, not phenylethane. But such names as diphenylmethane and triphenylmethanol are exceptions. When the chief function is in a side chain attached to a complex nucleus, "additive" names are preferred in order to harmonize 1 and 4, thus, naphthaleneacetic acid, not naphthalylacetic acid (with the result

that the compound is indexed with other naphthalene derivatives instead of under acetic acid; see 5).

5 The main part of the name with its functional ending, if any, is placed first in the index, the names of substituents following, thus, chloroacetic acid would appear in the index as *Acetic acid, chloro-* and dihydroxyanthraquinone as *Anthraquinone, dihydroxy-*. The part thus placed first is called the "index compound"; it may or may not be the "parent compound" (in the second example the parent compound is anthracene).

6 Names in which two functions are expressed in the index compound, as propanolone, cyclopentanonecarboxylic acid, are avoided, except that a few very common ones such as phenolsulfonic acid, are used (indicated by cross references).

7 The names of the substituent radicals in the name of a compound are arranged in alphabetical order, as, benzyl-ethylmethylphenylammonium chloride. The number of radicals of each kind does not affect the order (e.g., benzyl precedes ethyl no matter how many of each are present), but the compound name of a substituted radical is treated as a unit with its own alphabetic position, thus dimethyl amino, Me₂N, follows benzyl but precedes ethyl. When the complete name has been formed, it is alphabetized as any other word.

8 Parentheses, brackets and even braces are used where necessary to mark off complex radical names.

9 Arabic numerals are given preference for numbering, although Greek letters are used in accordance with common practice with "trivial" names of aliphatic acids, aldehydes, etc., and for some side chains. The numbering of each parent ring system is shown by ring formulas in the index under its name. This numbering conforms to the "Proposed International Rules for Numbering Organic Ring Systems"³ with the following exceptions: acridine, anthracene, carbazole (isocarbazole), cyclopenta[a]phenanthrene, phenanthrene, purine (β purine), xanthene (isoxanthene).

10. When two or more numberings are equally indicated, that one is chosen which gives the smallest number or numbers for the chief function, then for double bonds if these must be regarded, then for triple bonds, then for point of attachment (doubled molecules), then for substituents.

11 Numbers and letters enclosed in brackets within the name of a parent ring system are used for distinguishing isomers.⁴

12 Numbers in parentheses are used to indicate the position of entering hydrogen necessary to the existence of the compound, thus, 4(3)-quinolone is equivalent to 3,4 dihydro-4-oxoquinoline.

13 Doubled molecules or radicals are indicated by names commencing with bi- (as, o,o'-biphenol, biphenyl, 3,3'-bipyridine) Bis-, tri-, tetra-, etc., are used before complex expressions, as, bis(dimethylamino)-.

In using the cross references, the general nature of them should be kept in mind, thus, the references "Benzene, ethoxy" See *Phenol* is applicable not only to this compound itself but to derivatives, which are indexed under it rather than under *Benzene*.

¹ Patterson, *J. Am. Chem. Soc.* 47, 543-61 (1925).

² Patterson, *J. Am. Chem. Soc.* 50 3093 (1928).

³ Patterson and Curran, *J. Am. Chem. Soc.* 49 1621-38 (1917).

⁴ For the principles used in naming certain parent ring systems and especially in distinguishing isomeric forms by the use of bracketed numbers and letters in the middle of the name, see Patterson, *J. Am. Chem. Soc.* 50 3174-87 (1928).

⁵ This order is an attempt to express not the relative chemical importance of functions but general usage in selecting one of them for the ending of the name. For a study of the literature on this question, see Patterson, *Rec. trav. chim.* 48 1012 17 (1929).

NOTE. Since Volume 31 marked the beginning of a new collective-index period a number of modifications of previous practice which had been waiting for adoption were introduced in the index. They were made in order that the system may be rendered more consistent and especially that it may conform as nearly as possible to the rules of the Definitive Report of the International Committee on Organic Nomenclature.¹ These changes have of course applied in the Volume 33 index also.

The changes are indicated in the index itself by cross references, explanations under headings, and new numberings under the names of parent ring systems (see 9, above). The principal changes are:

a. Greek letters are used more sparingly, Arabic numerals taking their place where confusion would not result.

b. *Delia* (Δ), denoting a double bond, is omitted where possible.

c. *Bis* is used only before complex expressions or when the use of *di*- would be confusing (e.g., Acetic acid, thiobis-acetic acid, thiodi-).

d. The ending *-yne* replaces *-ine* for acetylene hydrocarbons (and *-ynyl* for *-inyl*).

e. *Carbind* is replaced by *methanol*.

f. *Mercaptans* are called *thiols* and *Ethyl mercaptan* (e.g.) becomes *Ethanethiol*.

g. *β -Butenic acid* becomes *3-Butenoic acid*, and so for similar unsaturated acids (likewise, *β -Buteraldehyde* becomes *3-Butenal* and *β -Butenaldehyde thio-* becomes *3-Buterethiol*).

h. Corresponding to the ending "*-carboxylic acid*," for an *acid halide*, *-carbonyl halide* is used; for an *aldehyde*, *-carboxaldehyde*; for a *nitrile*, *-carbonitrile*.

i. *Piperidides* and *ureides* are in general named as acyl-piperidines and acylureas, resp. (e.g., *Piperidine*, 1-acetyl-).

j. *Ethyl isocyanide* replaces *Ethane, isocyno-* (and so for other simple isocyanides).

k. *Organometallic compounds* are named according to Rule 48 of the Definitive Report (e.g., *Lead, tetraethyl-*).

l. *Phosphorus, arsenic, antimony, and bismuth compounds* are named according to revised Rule 34 (*Ind Eng Chem, News Ed* 14, 486 (1933)).

m. A number of parent ring systems are renumbered (see 9, above).

n. The use of *az*, *ox*, etc., before consonants in the names of heterocyclic ring systems causes some changes in spelling (e.g., *oxadiazine* instead of *oxidiazine*).

o. *Spiro* systems conform to the Rules for Numbering Hydrocarbons containing two or three spiro atoms are indexed under *Dispiro-* or *Trispiro-* (not under *Spiro-*). The names of simple heterocyclic spiro systems begin with *Aza*, *Oxa*, *Diox*, or the like. Such systems are now included in the Ring Index.

p. The systematic use of *brackets* within the names of ring systems is extended.

q. Changes have been made in the names of *radicals* (see following paragraph). Included in these changes are the replacement of *-al* by *-ylidene* and, for certain acid radicals, of *-yl* by *-oyl*. *Oxo* replaces *keto*.

ORGANIC RADICALS

Under this heading in the Introduction to the Volume 31 subject index there were listed (1) alphabetically by names and (2) systematically by formulas practically all organic radicals recognized in the system of indexing used by *Chemical Abstracts*. This list, as contrasted with earlier ones, was of course affected by the changes mentioned in the preceding paragraphs. This long list cannot be reproduced annually but reprints (obtainable from the editor at 20¢ per copy) are available to those who would

find their use more convenient than reference to Volume 31. Changes made since 1937 require alterations in the Volume 31 list as follows:

| | |
|-------------------------------|-----------------------------------------------------------------|
| cumal | = <i>p</i> -cumunylidene |
| cuminal | = <i>p</i> -cumunylidene |
| cumunyl | = $p\text{-(CH}_2)_2\text{CHC}_6\text{H}_4\text{CH}_2\text{--}$ |
| cumyl | = $(\text{CH}_3)_2\text{CHC}_6\text{H}_4\text{--}$ |
| cumunylidene | = $p\text{-(CH}_2)_2\text{CHC}_6\text{H}_4\text{CH=}$ |
| morpholinyl (from morpholine) | = $\text{C}_4\text{H}_7\text{NO--}$ |

RING INDEX

The following index of *ring complexes* is arranged as shown by the bold face figures: 1-Ring Systems, with single figures indicating simple rings of 3, 5, etc., members, 2-Ring Systems, two figures denoting double rings of 3 and 4, 3 and 5, etc., members, then the triple and still more complex forms. Under each combination of figures the kind and number of atoms in the ring or rings are expressed in formulas. These formulas are arranged so that their initial rings are in the same order as in the Formula Index (see Key at the beginning of it). If the initial rings are alike the second rings of the formula are considered, and so on. By this means the reader will be able to learn the name used in the index for the simplest parent compound containing any particular ring or combination of rings and by turning to this name in the index he will find the compound listed and, perhaps, cross references to

¹ J. Am. Chem. Soc. 55, 3905-25 (1933).

names of derivatives. Rings which are united but which have no atoms in common (e.g., biphenyl) are not regarded as ring complexes nor included in this index. "Spiro" compounds which are characterized by two rings having one atom in common are included.

To illustrate: 6,6,6 C₂N C₄C₄ Acridan
 Acridine
 Benzisoquinoline
 Benzoquinoline
 Phenanthridine

(1) This designates a complex ring of three components, each of six members, (2) the first is heterocyclic, containing five carbon atoms and one nitrogen atom and the other two are carbocyclic rings of six atoms each; (3) parent compounds of this configuration will be found in the in

dex under the five names given. If derivatives are indexed a structural formula will be found with the proper numbering and also appropriate cross references to derivatives having other common names, if any such are in the index.

It should be noted that the classification is made with reference to the smallest rings which, placed together, will constitute the plane formula. Thus norcamphane is treated as a 5,5 complex although a third ring of six members (composed of atoms from the two five membered rings) is also present

1-RING SYSTEMS

- 3 CN_2 Hydrazimethylene
 C_1N Aziridine
 Ithyleneimine
 C-O Ethylene oxide
 Oxirane
 C_2S Thirane
 C_3 Cyclopropane
 4 C_2N_2 Diazetene
 C_2N Azete
 Azetidene
 C_2O Oxetane
 C_3S Thietane
 C_4 Cyclobutadiene
 Cyclobutene
 Cyclobutene
 5 C_2N_2O Furazan
 Oxadiazole
 Oxadiazoline
 C_2N_2S Thiadiazole
 Thiadiazoline
 C_2N_2Se Selenadiazole
 Selenadiazoline
 C_2N_2 Triazole
 Triazole
 C_2OSSb Antimonothiohycolic acid*
 C_2NO Isoxazole
 Isoxazoline
 Oxazole
 Oxazolidine
 C_2NS Thiazole
 Thiazolidine
 Thiazoline
 C_2N_2 Imidazole
 Imidazoline
 Pyrazole
 Pyrazoline
 C_2OS Oxathiole
 C_2O_2 Dioxolane
 Dioxole
 C_2S_2 Dithiolane
 Dithiole
 C_2As Arsenolidine
 C_2N Pyrrole
 Pyrroline
 Pyrrolidine
 Pyrroline
 C_2O Furan
 C_2S Thiophene
 C_2Se Selenophene
 C_4 Cyclopentadiene
 Cyclopentadiene
 Cyclopentene
 6 B_2N_2 Triborotriazamine
 C_2N_2 Tetrazine
 C_2N_2S Thiadiazine
 C_2N_2 Triazine
 C_2OS Dioxathiane
 C_2O_2 Trioxymethylene
 C_2S_2 Trithiane
 C_2NO Morpholine
 Oxazine
 C_2N_2 Piperazine
 Pyrazine
 Pyridazine
 Pyrimidine
 Dioxane
 Dioxin
 C_2S_2 Dithiane
 C_2N Piperidine
 Pyridine
 C_2O Pyran
 Pyrylium
 C_2S Thiapyran
 C_4 Benzene
 Cyclohexadiene
 Cyclohexene
 Cyclohexane
 7 C_2NS Carbamic acid (3-diethylaminopropyl)idithio-, betaine
 C_2O_2 Dioxepene
 C_7 Cycloheptadiene
 Cycloheptane
 Cycloheptatriene
 Cycloheptene
 8 C_2N_2 Dioxazine
 C_4 Cyclooctene

Cyclooctatetraene

Cyclooctene

Cyclooctyne

- N_2S_4 Cyclooctatetraimine*
 9 C_2N_2 Diazomane
 C_2N Azomane
 C_2 Cyclononane
 10 C_2N_2 Diazecane
 C_2N Azecane
 C_2 Cyclodecane
 11 C_2N_2 Diazacyclodecane
 12 C_2N_2 Hexacyclodecadiene
 C_2N_2 Diazacyclodecane
 C_2O Hendecanoic acid, 11 hydroxy-, lactone
 13 C_2N_2 Diazacyclododecane
 14 C_2NS Carbamic acid, (10-diethylaminodecyl)methylidithio-, betaine
 C_2N_2 Diazacyclotetradecane
 15 C_2S Thiacyclodecane
 16 C_2O Oxacyclodecane
 Pentadecanoic acid, 15-hydroxy-, lactone
 17 C_2O Ambrettolic acid, lactone
 Oxacyclodecadiene-8-ene
 C_2S Thiacyclodecadiene
 18 C_2N Azacyclodecane
 19 C_2S Thiacyclononadecane
 2-RING SYSTEMS
 3,5 C_2O-C_4 Cyclopentane, 1,2-epoxy-
 1-Oxaspiro[2.4]heptane
 C_2-C_4 Bicyclo[3.1.0]hexane
 3,6 C_2O-C_4 Cyclohexane, 1,2-epoxy-
 1-Oxaspiro[2.5]octane
 4,4 C_2N-C_2N 2,6-Diazaspiro[3.3]heptane
 C_2-C_4 Spiro[3.3]heptane
 4,5 C_2NS-C_2N 4,1,2-Thiadiazole, 2,3-dihydro-3-tolylamino-3,5-endo-o-tolylimino-
 C_2 C_2N 1,2-Cyclobutanedicarboximide
 C_2-C_2 1,2-Cyclobutanedicarboxylic anhydride
 C_2 C_4 Bicyclo[3.2.0]heptane
 Bicyclo[3.2.0]heptane
 4,6 $C_2H_2O-C_4$ Thymol, 6-chloro-2 (hydroxymethyl)-, 2,3-cyclic anhydride
 Thymol, 2-(hydroxymethyl)-6-nitroso-, 2,3-cyclic anhydride
 C_2N C_4 Benzazete
 C_2O-C_4 7-Oxabicyclo[4.2.0]octane
 C_2S-C_4 2-Thiaspiro[4.3]nonane
 C_2-C_4 Bicyclo[4.2.0]octane
 Bicyclo[4.2.0]octene
 Norpantane
 5,5 $C_2N_2-C_2N_2$ Pyrazolopyrazole
 Thio*
 $C_2N_2-C_2N$ Pyrrolopyrazole
 $C_2N_2-C_4$ Cyclopentapyrazole
 C_2O-C_4 Cyclopentadioxole
 1,3-Dioxaspiro[4.4]nonane
 1,4-Dioxaspiro[4.4]nonane
 C_2N C_2N 1-Azabicyclo[2.2.1]heptane
 Pyrrolopyrrole
 C_2O-C_2O Furofuran
 7-Oxabicyclo[2.2.1]heptane
 C_2O-C_4 Cyclopentaluran
 C_2S-C_2S Bicyclo[2.2.1]thianum 1 heptane compounds*
 C_4 C_4 Bicyclo[2.2.1]heptene
 Norcamphane
 5,6 C_2NS-C_4 Isobenzodithiazole
 $C_2N_2O-C_4$ Benzofurazan
 Benzoxadiazole
 $C_2N_2Se-C_4$ Benzoselenadiazole
 C_2N_2 C_2N Pyridotriazole
 $C_2N_2-C_4$ Benzotriazole
 C_2NO-C_4 Anthranil
 Benzisoxazole
 Benzoxazole
 Benzoxazoline
 C_2NS-C_4 Benziisothiazole
 Benzoisothiazole
 Benzoisothiazoline
 C_2NS-C_4 Benzoselenazole
 Benzoselenazoline
 Imidazopyrimidine
 $C_2N_2-C_2N$ Imidazopyridine
 $C_2N_2-C_4$ Benzinidazole
 1,3-Diazaspiro[4.5]decane
 Indazole
 Isoindazole
 C_2OS-C_4 Benzoxathiole
 C_2O-C_4 Benzodioxole
 1,3-Dioxaspiro[4.5]decane
 1,4-Dioxaspiro[4.5]decane
 C_2S-C_4 2,3-Dithiaspiro[4.5]decane
 C_2As-C_4 Arundole
 C_2N-C_2N Pyrrolopyridazine
 Pyrrolopyrimidine
 C_2N C_2N 1-Azabicyclo[3.2.1]octane
 Nortropidine
 Pyrrocoline
 C_2N C_4 2-Azaspiro[4.5]decane
 Indole
 Indoline
 Isoindole
 Pseudoundole

Spiro[cyclohexane-1,3'-pyrrolidine]

- C₆O-C₄O₂ Furodioxin
 C₆O-C₄N₂ Furopyridine
 C₆O-C₄ Benzofuran
 C₆O-C₄ Isobenzofuran
 2 Oxaspiro[4.5]decane
 C₆S-C₄O₂ Thienodioxin
 C₆S-C₄ Isothianaphthene
 C₆S-C₄ Thianaphthene
 C₆C₄N₂ Cyclopentapyrazine
 C₆C₄N₂ Cyclopentapyridine
 C₆C₄O 3 Oxabicyclo[3.2.1]octane
 C₆C₄ Bicyclo[3.2.1]octane
 Indan
 Indene
 Isoundene
 Spiro[4.5]decane
5,7 C₆N₂C₄ Azepotetrazole
 C₆N₂C₄ Pyrroloazepine
 C₆O-C₄O₂ Furodioxepin
6,6 C₆N₂S-C₄ Benzothiadiazine
 C₆N₂C₄ Benzoisoxazine
 C₆N₂C₄ Benzoisoxazole
 C₆N₂S-C₄ Benzoisoxazepine
 C₆N₂C₄ Pyridopyrazine
 C₆N₂C₄ Pyridopyrimidine
 C₆N₂C₄ Phthalazine
 Quinazoline
 Quinoxaline
 C₆O-S-C₄ Benzoxathion
 C₆O-C₄O₂ 2,4,8,10-Tetroxaspiro[5.5]hendecane
 C₆O-C₄S₂ 2,4-Dioxaspiro[5.5]hendecane
 C₆O-C₄ {Ascaridole
 {Benzodioxan
 C₆S-C₄ 1,5-Dithiaspiro[5.5]hendecane
 2,4-Dithiaspiro[5.5]hendecane
 C₆N₂C₄N₂ 1 Isoguanatamine
 Naphthyridine
 Quinolizine
 Quinuclidine
 C₆N₂C₄ 2-Azabicyclo[2.2.2] 7-octene
 Isoquinoline
 Quinolone
 C₆O-C₄ Benzopyran
 Benzopyrylium
 2 Oxabicyclo[2.2.2]octane
 C₆S-C₄S₂ Bicyclo[2.2.2]thianium-1-octane compounds*
 C₆C₄S₂ Benzoisothiazine
 C₆C₄ Bicyclo[2.2.2]octadiene
 Bicyclo[2.2.2]octane
 Naphthalene
6,7 C₆C₄N₂ Benzodiazepine
 C₆C₄O₂ Benzodioxepin
 C₆C₄ Bicyclo[3.2.2]nonane
6,8 C₆C₄N₂ Benzoisoxazepine
6,10 C₆C₄O₂ Benzodioxecan
6,11 C₆C₄O₂ Resorcinol, hexamethylene ether*
6,12 C₆C₄O₂ Resorcinol, decamethylene ether*
6,16 C₆C₄O₂ Hydroquinone, decamethylene ether*

3-RING SYSTEMS

- 3,3,6** C₆O-C₄O-C₄ 1,7-Dioxadispiro[2.2.2]decane
 C₆O-C₄C₄ Δ-Carene oxide*
3,4,6 C₆O-C₄C₄ Spiro[norpinane-2,2'-oxirane]
3,5,5 C₆O-C₄C₄ Norcamphane, 2,3-epoxy-1,2,3-trimethyl-
 Spiro[norcamphane-2,2'-oxirane]
3,5,6 C₆O-C₄C₄ Tricyclo[2.2.1.0^{2,5}]heptane
3,5,6 C₆O-C₄C₄ 1 Indanol 2,3-epoxy 2,2,3-triphenyl-
 6-amino-1,2,3-trimethyl, lactam
4,4,5 C₆C₄N₂C₄ Cyclopropaquinoline
4,4,5 C₆C₄C₄ Tricyclo[5.2.0.0^{2,5}]nonane
4,4,5 C₆C₄N₂C₄ 1,3,5-Methanocycloquinoline
5,5,5 C₆N₂S-C₄ Methanobenzoisothiadiazole
 C₆N₂S-C₄ β-Camphorsulfonamide Δ,2 inner anhydride
 1 Norcamphanesulfonic acid, 2 amino-
 7-dimethyl, sulfam
 C₆O-S-C₄C₄ 2-Norcamphanesulfonic acid, 3 hydroxy,
 sulfone
 C₆O-C₄O-C₄O 4-Cyclohexene 1,2-dicarboxylic anhydride, 3,6-
 endo-epoxy
 4,7-Epoxybenzofuran
 C₆O-C₄C₄ Bicyclo[2.2.1]-5,5-heptene-2,3-dicarboxylic an-
 hydride
 C₆S-C₄C₄ Methanothianaphthene
 C₆C₄C₄ 4,7-Methanoxanthene
5,5,5 C₆N₂C₄N₂C₄ Tetrazolotriazoloquinoline
 C₆N₂C₄C₄ 5,8-Methano-5-azepotetrazole
 C₆N₂C₄N₂C₄ Imidazotriazoloquinoline
 C₆O-C₄C₄C₄ Benzoisoxazepine
 C₆N₂C₄N₂C₄ Dipyrasolopyrazine
 C₆N₂C₄N₂C₄ Benzodipyrasole
 Pyrazolobenzimidazole
 C₆O-C₄C₄ Indoxazole
 C₆N₂C₄C₄ Benzodipyrrole
 Pyrrolodioxole
 C₆N₂C₄O-C₄ 2 Indolecarboxylic acid, 3 (hydroxymethyl)
 lactone
 C₆N₂C₄C₄ Cyclopentadiene
 Spiro[cyclopentane-1,2'-indolyl]-3-one
 C₆O-C₄C₄ 1,4-pyridinophthalene
 C₆C₄C₄ Spiro[camphane-2,2'-ω-dithiane] 5,5'-dimethanol
 C₆C₄C₄ Dicyclohexylpyridine
 C₆C₄C₄ 1,4-Methanonaphthalene

4,6,6 C₆N₂O-C₄C₄ Naphthofurazan

- Naphthothiadiazole
 C₆N₂C₄C₄ Naphthothiazole
 C₆N₂O-C₄C₄ Naphthothiazole
 C₆N₂S-C₄C₄ Thiachromene
 C₆N₂S-C₄C₄ Naphthothiazole
 C₆N₂C₄N₂C₄ Imidazoisquinoline
 Imidazoisquinoline
 Pyridobenzimidazole
 C₆N₂C₄C₄ Fthianisoxindazole
 Naphthimidazole
 Naphthopyrazine
 C₆O-S-C₄C₄ Naphthoxazelenole
 C₆O-C₄N₂C₄ Dioxolisoquinoline
 Dioxoloquinoline
 C₆O-C₄O-C₄ Dioxolobenzopyran
 C₆O-C₄C₄ 7,14-Dioxadispiro[5.1.5.2]pentadecane
 Naphthodioxole
 C₆N₂C₄N₂C₄ Pyridazindole
 C₆N₂C₄N₂C₄ Benzopyrrocoline
 Benzopyrrocolinum
 Pyridindole
 Pyrroloquinoline
 C₆N₂C₄C₄ Benzindole
 Benzoxindole
 Carbazole
 Isocarbazole
 3a,8a-Naphthalenedicarboximide
 C₆O-C₄N₂C₄ 2 Azabicyclo[2.2.2] 7-octene 4,5,6,7-tetracar-
 boxylic acid 1,2,3-trimethyl-β-phenyl-, 5,6-
 anhydride
 C₆O-C₄O-C₄ Furobenzopyran
 C₆O-C₄C₄ Bicyclo[2.2.2] 7-octene-2,3-dicarboxylic anhydride
 Dibenzofuran
 4a,8a-Naphthalenedicarboxylic anhydride
 Naphthofuran
 1 Naphthoic acid, 8-hydroxy-β-mitro-, 7 lactone
 C₆S-C₄S₄C₄ Benzoisothienothiopyran
 C₆S-C₄C₄ Dibenzothiophene
 Naphthothiophene
 C₆S-C₄C₄ Dibenzoselenophene
 C₆Te-C₄C₄ Dibenzotellurphene
 C₆C₄N₂C₄N₂ Cyclopentadipyrane
 C₆C₄N₂C₄ Cyclopentaoxazoline
 C₆C₄N₂C₄ 6,15-Dithiadispiro[4.2.5.2]pentadecane
 C₆C₄N₂C₄ Cyclopentaquinoline
 Indenopyridine
 C₆C₄C₄ Acenaphthene
 Acenaphthylene
 Benzindene
 Fluorene
 Spiro[cyclohexane-1,1'-indan]
6,6,6 C₆N₂O-C₄O-C₄ Benzopyranoxadiazine
 C₆N₂C₄C₄ Phenazepine
 C₆N₂O-C₄C₄ Phenoxarsene
 C₆N₂O-C₄C₄ Naphthoxazine
 C₆N₂S-C₄C₄ Phenothiazine
 C₆N₂C₄N₂C₄N₂ Pyridodipyrasole
 C₆N₂C₄N₂C₄ Pyridazocoumarin
 Pyrimidoquinoxaline
 C₆N₂C₄N₂C₄ Pyrimidoquinoline
 C₆N₂C₄C₄ Pyrimidoquinolinium
 C₆N₂C₄C₄ Pyrimidophthalazine
 Benzoquinazoline
 Benzoquinoxaline
 Phenazine
 C₆O-S-C₄C₄ Phenoxathion
 C₆O-C₄S-C₄ 2,4-Dioxaspiro[3.2.5]hexadecane
 C₆O-C₄C₄ Dioxosquinoxaline
 C₆O-C₄C₄ Dibenzo-p-dioxin
 C₆S-C₄C₄ 7,16-Dithiadispiro[3.2.5.2]hexadecane
 Thianthrene
 C₆Se-C₄C₄ Selenanthrene
 C₆N₂C₄C₄ Benzoquinazone
 Benzoquinolinium
 Phenanthroline
 Pyridoquinoline
 C₆N₂C₄C₄ Acridene
 Acridone
 Benzoxoquinoline
 Benzoxquinoline
 Phenanthridine
 C₆O-C₄O-C₄ Benzodipyran
 Compd. from d glucose and phenol 5396⁴
 C₆O-C₄C₄ Dibenzopyran
 Isoxanthene
 Naphthopyran
 Xanthene
 C₆S-C₄C₄ Thioxanthene
 C₆C₄C₄ Anthracene
 Benzonaphthene
 1,4-Ethanonaphthalene
6,6,7 C₆C₄C₄O-C₄ Dibenzoxepin
 C₆C₄C₄ Cycloheptanaphthalene
 Dibenzocycloheptadiene
6,6,8 C₆C₄C₄N₂ Diphenic acid cyclic hydrazide
6,6,12 C₆C₄C₄C₄ 1,8-Naphthalenediol, decamethylene ether*
6,6,13 C₆C₄C₄O-S₂ Phenol p,p'-sulfonyl cyclic octamethylene
 ether, 9302⁴
 Phenol p,p'-thiodi cyclic octamethylene ether,
 9301⁴

- 6,6,21 C₆-C₆-C₆O₂S Phenol, *p,p'*-sulfonyl-, cyclic decamethylene ether, 9302¹
 Phenol, *p,p'* thiodi-, cyclic decamethylene ether, 9301¹, 9302¹

4-RING SYSTEMS

- 4,5,6,6 C₆-C₆-C₆-C₆ Cyclobutanecapnaphthylene
 C₆N₂-C₆S₂-C₆-C₆ Methanobenzothiazinebenzothiazole
 C₆N₂-C₆-C₆-C₆-C₆N₂ Ureidazole acid
 C₆-C₆-C₆-C₆ 1,4,5,8-Dimethanonaphthalene
 5,5,5,5 C₆-C₆-C₆-C₆ 1,4-Epoxy-naphthalene-2,3-dicarboxylic anhydride
 C₆O-C₆-C₆-C₆ 1,4-Methanonaphthalene-4a,8a-dicarboxylic anhydride
 5,5,6,6 C₆N₂-C₆N₂-C₆-C₆ Ethanobenzodipyrazole
 C₆N₂-C₆-C₆-C₆ Benzofurobenzimidazole
 C₆N₂-C₆-C₆-C₆ Indenimidazole
 C₆O₂-C₆N₂-C₆-C₆ Dioxolopyrroloisoquinoline
 C₆N₂-C₆O₂-C₆-C₆ Benzofuroindole
 Benzazulene
 Cyclopentacenaphthylene
 1,4-Methanonaphthalene
 Spiroindane
 5,5,7,7 C₆N₂-C₆N₂-C₆-C₆ Propanobenzodipyrazole
 5,5,6,6 C₆N₂-C₆N₂-C₆-C₆ Benzotriazoloquinoline
 C₆N₂-C₆-C₆-C₆ Anthrazole
 C₆N₂-C₆-C₆-C₆ Anthrisothiazole
 C₆N₂-C₆-C₆-C₆ Anthrascenazole
 C₆N₂-C₆-C₆-C₆ Benzimidazoloisoquinoline
 Benzimidazoquinoline
 Benzopyrrolobenzimidazole
 C₆N₂-C₆-C₆-C₆ Anthrapyrazole
 C₆O₂-C₆N₂-C₆-C₆ Benzodioxoloquinoline
 Benzodioxoloquinolinium
 C₆O₂-C₆N₂-C₆-C₆ Dioxolophenanthridine
 C₆O₂-C₆-C₆-C₆ Phenanthroindole
 C₆N₂-C₆-C₆-C₆ Indoloquinoline
 C₆N₂-C₆-C₆-C₆ Indolonaphthyridine
 Indoloquinoline
 C₆N₂-C₆-C₆-C₆ Benzopyrindole
 Indoloquinoline
 C₆N₂-C₆-C₆-C₆ Anthrapyrazole
 Naphthindole
 C₆O₂-C₆N₂-C₆-C₆ Benzofuroquinazoline
 C₆O₂-C₆-C₆-C₆ 1,2,4,5-Naphthalenetetracarboxylic dianhydride
 C₆O₂-C₆-C₆-C₆ Anthrafuran
 Benzonaphthofuran
 Phenanthrofurane
 Spiro[furan-2(5),1'(2')-phenanthrene]-5-one
 Phenanthrothiophene
 Phenanthrothiophene
 C₆-C₆-C₆-C₆ Spiro[m-dithiane-2,9'-fluorene]
 C₆-C₆-C₆-C₆ Indenoquinoline
 C₆-C₆-C₆-C₆ Benzindenoquinoline
 C₆-C₆-C₆-C₆ Acanthene
 Acphenanthrylene
 Benzofluorene
 Chrysfluorene
 Cyclopentaphenanthrene
 Spiro[1-benz[*f*]indene-1,1'-cyclohexane]
 5,6,6,7 C₆O₂-C₆N₂-C₆-C₆ Azepidoxazoloquinoline
 Azepid[1,3]thiazolo[*g*]isoquinolinium(1)
 6,6,6,6 C₆N₂-C₆-C₆-C₆ Anthrathiazine
 C₆N₂-C₆-C₆-C₆ Phenanthroquinoline
 C₆N₂-C₆-C₆-C₆ Pyridopyrimidoquinazoline
 C₆N₂-C₆-C₆-C₆ Pyranophenazine
 C₆N₂-C₆-C₆-C₆ Benzophenazine
 Dibenzoquinazoline
 Naphthoquinazoline
 C₆O₂-C₆-C₆-C₆ Anthracene, 1,4-dimethoxy 9,10-diphenyl, 9,10-phthoxide*
 Anthracene, phthoxide*
 C₆N₂-C₆N₂-C₆-C₆ Benzophenanthroline
 Dibenzoquinolinium
 Dibenzoquinolinium
 Quinoloquinoline
 C₆N₂-C₆-C₆-C₆ Benzopyranquinoline
 C₆N₂-C₆-C₆-C₆ Benzacridine
 Benzophenanthridine
 Dibenzoquinolinium
 Naphthoquinolinium
 Naphthoquinolinium
 C₆O₂-C₆-C₆-C₆ Benzopyranobenzopyrrolone
 Diphenic acid 6,6'-dihydroxy, dilactone
 9,10-Phenanthrene-9,10-dicarboxylic acid tetra-decahydro-4a-hydroxy, 9,4a lactone
 2,2'-Spirochroman
 C₆O₂-C₆-C₆-C₆ Benzozaphenanthrylene
 Benzozaphenanthrylene
 Phenanthropyran
 Benzophenanthrylene
 C₆-C₆-C₆-C₆ Benzanthracene
 Benzophenanthrene
 Chrysene
 1-thiaanthracene
 Naphthalene
 Pyrene
 Triphenylene
 5,6,6,7 C₆-C₆-C₆-C₆S Benzocapnaphthoether

5-RING SYSTEMS

- 5,5,5,6 C₆-C₆-C₆-C₆N₂ Dimethanobenzocinnoline
 5,5,5,6,16 C₆N₂-C₆-C₆-C₆-C₆N₂ Pterophyrin, duminio*
 C₆N₂-C₆-C₆-C₆-C₆N₂ Etoporphyrin, monomino*
 C₆N₂-C₆-C₆-C₆-C₆N₂ Porphyrin
 5,5,5,6,6 C₆N₂-C₆-C₆-C₆-C₆ Bisbenzofurofuran
 C₆N₂-C₆-C₆-C₆-C₆ Dindenoquinoline
 C₆O₂-C₆-C₆-C₆-C₆ 3,6-Cholestenedione, 2,5-oxide*
 Cholestan-6-ol 3-one, 2,5-oxide*
 5,5,6,6,6 C₆N₂-C₆-C₆-C₆-C₆ Anthraquinone
 Anthraquinone
 C₆N₂-C₆-C₆-C₆-C₆ 4,5 (Δ¹) Cholesteno 2,3-pyrazole 3-carboxylic acid*
 Δ¹-Lithocholene 17-spirohydantoin, 3-hydroxy
 C₆O₂-C₆-C₆-C₆-C₆ Anthraquinone
 C₆N₂-C₆-C₆-C₆-C₆ Pyrazindole
 C₆N₂-C₆-C₆-C₆-C₆ Benzobenzofuroindole
 C₆O₂-C₆-C₆-C₆-C₆ 1,12-Epoxy-naphthalene
 C₆O₂-C₆-C₆-C₆-C₆ Cholestenoneallic acid*, lactone
 C₆-C₆-C₆-C₆-C₆ Dundenquinoline
 C₆-C₆-C₆-C₆-C₆ Indenoquinone
 5,6,6,6,6 C₆N₂-C₆N₂-C₆-C₆-C₆ Benzopyrazolophenazine
 C₆N₂-C₆-C₆-C₆-C₆ Benzimidazophenanthridine
 Benzimidazophenanthridine
 Benzimidazophenanthridine
 Isoquinolophenanthrylene
 C₆OSe-C₆-C₆-C₆-C₆ Spiro[naphthalene-1(2),2'-naphth[1,2,1,3]oxazelenol]-2-one
 C₆O₂-C₆N₂-C₆-C₆-C₆ Benzobenzodioxoloquinoline
 Benzobenzodioxoloquinolinium
 C₆N₂-C₆-C₆-C₆-C₆ Benzodioxoloquinoline
 Indoloxaphenanthridine
 C₆N₂-C₆-C₆-C₆-C₆ Acridinone
 C₆N₂-C₆-C₆-C₆-C₆ Anthrindole
 Dibenzoquinazoline
 9,10-Ythiaanthracene-11,12-dicarboximide
 Naphthocarbazole
 C₆O₂-C₆-C₆-C₆-C₆ Benzofurobenzopyranopyran
 C₆O₂-C₆-C₆-C₆-C₆ Fluoran
 C₆O₂-C₆-C₆-C₆-C₆ Anthraquinone
 Dinaphthofuran
 Furanoanthracene
 C₆S-C₆-C₆-C₆-C₆ Dibenzothiophenanthrene
 C₆-C₆-C₆-C₆-C₆ Thiazine m-292-5', 5409
 C₆-C₆-C₆-C₆-C₆ 4,7-Cholestadiene, dihydropyridazine deriv*
 C₆-C₆-C₆-C₆-C₆ Δ¹-Cholestadiene, peroxide*
 Δ¹-Cholestene 2,5-peroxide*
 C₆-C₆-C₆-C₆-C₆ Δ¹-Cholestadiene peroxide*
 Δ¹-Cholestene 2,5-peroxide*
 C₆-C₆-C₆-C₆-C₆ Dispiro[cyclohexane 1,5'-m-dithiane-2,9'-fluorene]
 C₆-C₆-C₆-C₆-C₆ Benzindenoquinoline
 Indenoquinoline
 C₆-C₆-C₆-C₆-C₆ Benzaceanthrylene
 Benzaceanthrylene
 Cholanthrene
 Cyclopentatriphenylene
 Dibenzoquinoline
 Naphthofluorene
 5,6,6,6,6 C₆N₂-C₆-C₆-C₆-C₆ Quinoxalophenazine
 C₆N₂-C₆-C₆-C₆-C₆ Diazaperylene
 Dibenzoquinazoline
 Naphthoquinazoline
 C₆O₂-C₆-C₆-C₆-C₆ Naphthalene, 5,12-phthoxide
 C₆N₂-C₆-C₆-C₆-C₆ Dibenzoquinanthroline
 C₆N₂-C₆-C₆-C₆-C₆ Azaperylene
 Benz[*g*]anthracene-11-carboxylic acid, 1-amino-7-oxo-, lactam
 Dibenzoquinoline
 Naphthalene
 Phenanthroquinoline
 C₆O₂-C₆-C₆-C₆-C₆ 7-Benz[*g*]anthracene-11-carboxylic acid, 1-hydroxy 7-oxo-, lactone
 Dibenzoquinanthrene
 Dibenzoquinanthrylene
 C₆S-C₆-C₆-C₆-C₆ Dibenzothiaphenanthrene
 C₆-C₆-C₆-C₆-C₆ Benzochryse
 Benzozaphenanthrene
 Benzopyrene
 Dibenzoanthracene
 Dibenzoanthracene
 Phenanthroanthracene
 Pentacene
 Perylene
 Perylene
 5,6,6,6,7 C₆N₂-C₆-C₆-C₆-C₆ Ethenoquinobenzodiazepine
 C₆-C₆-C₆-C₆-C₆O₂ Dinaphthodioxepine
 5,6,6,6,10 C₆N₂-C₆-C₆-C₆-C₆O₂ 4,7-Phenanthroline 1,10-diol, 3,8-dimethyl-, cyclic phthalate
 5,6,6,6,20 C₆-C₆-C₆-C₆-C₆O₂ Bebeerene, O-ethyl
 5,6,6,6,24 C₆-C₆-C₆-C₆-C₆DiA₄ Darsenolobisphenylmethane, tetranitro*
 5,6,6,6,32 C₆-C₆-C₆-C₆-C₆O₂S Phenol *p,p'* thiodi-, cyclic bis-decamethylene ether, 9301¹

6-RING SYSTEMS

- 5,6,6,6,6 C₆-C₆-C₆-C₆-C₆-C₆ Benzobisimidazophenanthroline
 C₆N₂-C₆-C₆-C₆-C₆-C₆ Dindolophenanthrylidine
 C₆-C₆-C₆-C₆-C₆-C₆ Benzindenoquinone

5,6,6,6,6,6 C₆N-C₆-C₆-C₆-C₆-C₆ 7,12 Ethano benz[a]anthracene - 13,14-dicarboximide
C₆O-C₆N-C₆-C₆-C₆-C₆ Chloroacene, pyridane deriv.*
C₆O-C₆-C₆-C₆-C₆-C₆ Furano benzanthracene
C₆-C₆-C₆-C₆-C₆-C₆ Benzomaphthendopyrylium
spiro[acenaphthene-1,9-xanthene]-
-1-one

5,6,6,6,6,7 C₆-C₆-C₆-C₆-C₆-C₆O Acenaphthodibenzotetra-
5,6,6,6,6,6 C₆N-C₆-C₆-C₆-C₆-C₆ Chrysophenanthrene*
C₆N-C₆-C₆-C₆-C₆-C₆ Chrysophenanthrene
Tribenzophenanthrene
C₆N-C₆-C₆-C₆-C₆-C₆ Acridene
C₆N-C₆-C₆-C₆-C₆-C₆ Benzomaphthacridine
Benzomaphthoacridine
Tribenzacridine
C₆-C₆-C₆-C₆-C₆-C₆ Benzoperylene
Dibenzoperylene
Ethano dibenzanthracene
Hesacene

7-RING SYSTEMS

5,5,5,5,6,6,6 C₆-C₆-C₆-C₆-C₆-C₆ Tetraacridopentanthracene
5,5,5,5,6,6,6 C₆O-C₆O-C₆O-C₆-C₆-C₆ Benzoisobenzofuran
5,5,5,5,6,6,6 C₆N-C₆-C₆-C₆-C₆-C₆-C₆ 6,12 b) Ethano benz[j]ace-
anthrene 13,14-dicarboximide
C₆O-C₆-C₆-C₆-C₆-C₆ 6,12 b) Ethano benz[j]ace-
anthrene - 13,14-dicarboxylic anhydride
Furano benzocyclopentanthracene
C₆-C₆-C₆-C₆-C₆-C₆ Rubicene

8-RING SYSTEMS

5,5,5,5,6,6,6,6,6,6 C₆N C₆N C₆N C₆N C₆-C₆-C₆-C₆-C₆-C₆ Tetra benzomonoazaporphine*
5,5,5,5,6,6,6,6,6,6 C₆N C₆N C₆N C₆N C₆-C₆-C₆-C₆-C₆-C₆ Phthalocyanine
C₆N C₆N C₆N C₆N C₆-C₆-C₆-C₆-C₆-C₆ Tetra benzoporphine
6,6,6,6,6,6,6,6,6,6 C₆N-C₆-C₆-C₆-C₆-C₆-C₆-C₆ Trinaphthylenodipyridine
C₆O-C₆ C₆N C₆-C₆-C₆-C₆-C₆-C₆ Compd., m. p. 70°, 4316†
C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆ Dibenzocoronene
Dinaphthoperylene

10-RING SYSTEM

5,6,6,6,6,6,6,6,6,6,6 C₆N-C₆N-C₆-C₆-C₆-C₆-C₆-C₆-C₆ Dye P 1511†

13-RING SYSTEM

5,5,5,5,6,6,6,6,6,6,6,6,6,6,6 C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆ Fluorocyclene*

5,6,6,6,6,6,6 C₆N-C₆N-C₆N-C₆-C₆-C₆-C₆ Benzoquinopyrazolo-
pyridine
C₆N-C₆-C₆-C₆-C₆-C₆-C₆ 7,14-Ethano dibenz[s,k]an-
thracene - 15,16-dicarboximide
C₆O-C₆N-C₆-C₆-C₆-C₆-C₆ Dibenzobenzofurophenan-
thene
C₆O-C₆-C₆-C₆-C₆-C₆-C₆ Furano dibenzanthracene
5,6,6,6,6,6,6,6 C₆N-C₆-C₆-C₆-C₆-C₆-C₆-C₆ Anthranse
Chryso-1,2-naphthanthrene*
C₆N-C₆-C₆-C₆-C₆-C₆-C₆ Dehydro-*N*-*p*-tolyl-*m*-*p*-
phenyl-1,2,7,8-dibenzro-
acridium chloride*, 4250†
C₆O-C₆-C₆-C₆-C₆-C₆-C₆ Dehydro-*o*-*m* (p-aminophenyl)
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thioxanthene salts*, 4255†
C₆-C₆-C₆-C₆-C₆-C₆ Coronene
Dibenzoperylene
Dibenzanthracene
Triaphthylene
C₆-C₆-C₆-C₆-C₆-C₆ Bebeerite*

8-RING SYSTEMS

5,6,6,6,6,6,6,6 C₆O-C₆-C₆-C₆-C₆-C₆-C₆-C₆ Trinaphthylenofuran
6,6,6,6,6,6,6,6 C₆N-C₆-C₆-C₆-C₆-C₆-C₆-C₆ Benzo naphthoquin-
oxalophenanthrene
C₆O-C₆O-C₆-C₆-C₆-C₆-C₆ Dibenzoxanthemoxan-
thene
C₆-C₆-C₆-C₆-C₆-C₆-C₆-C₆ Tribenzoperylene

Botanical and zoological nomenclature. For the com-
moner animals and plants the common names, as *Opossum*
and *Wheat*, have been used in accordance with the basic
indexing principle that it is best to make entries where
most of the index users will look first. For all other animals
and plants the scientific names have been used wherever
possible. Cross references have usually been entered in
both cases, sometimes for several common names. Both
types of name (with cross references both ways) have oc-
casionally had to be used for what may be the same organ-
ism because of insufficient information, sometimes even
in original papers.

For insects our authority has been "Common Names of
Insects Approved for General Use by the American As-
sociation of Economic Entomologists."

† J. E. C. Excerpt 30, 327 (1937)



For *acids* the classification given in Bergey's "Manual
of Determinative Bacteriology," fourth edition, has been
followed as far as possible, with numerous cross references.


Alloys. Except for general studies of alloys entries have
been made under such headings as *Copper alloys* for each
constituent of a given alloy down to small percentage or
significance. Alloy trade names (very numerous) have
either been entered as headings, as *Duralumin*, with suit-
able cross references to direct the index user to these names,
or have been brought to the beginning of modifying phrases
under the alloy heading for the chief constituent in each
instance, with cross references entered for the other con-
stituents and for the trade names. "Engineering Alloys,"
by Normal E. Woldman and Albert J. Dornblatt (Ameri-
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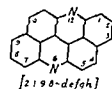
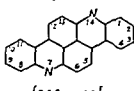
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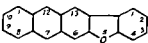
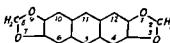
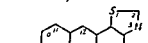



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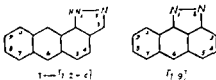
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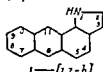
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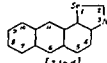
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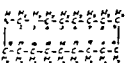
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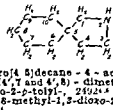
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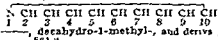
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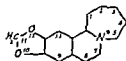
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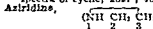


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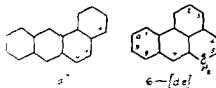
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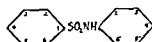
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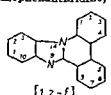
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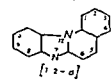
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
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
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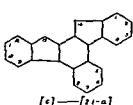
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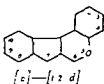
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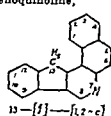
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
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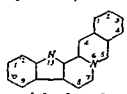
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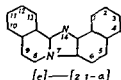
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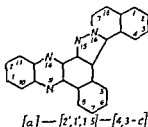


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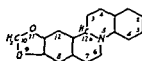
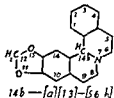
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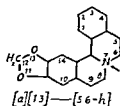


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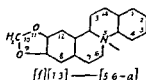


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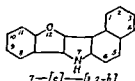
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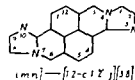
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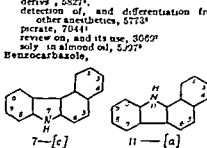


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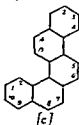
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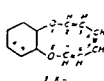
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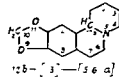
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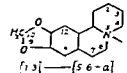
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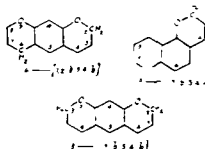
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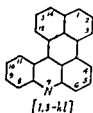
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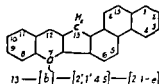
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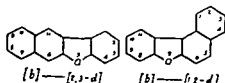
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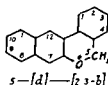
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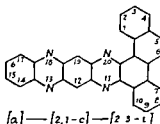
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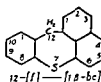
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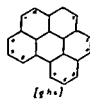


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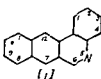


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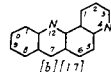
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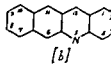
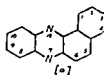
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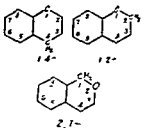


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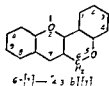


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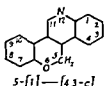
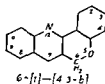
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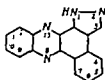
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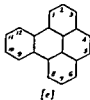
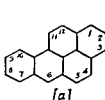
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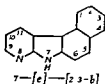
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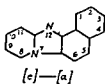
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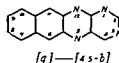
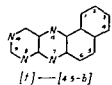
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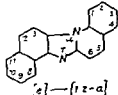
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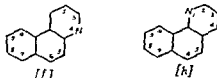


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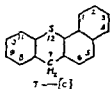
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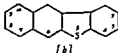
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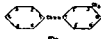
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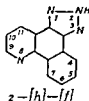
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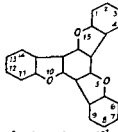
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
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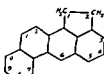
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
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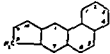
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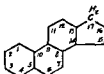
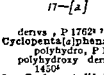
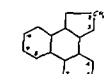
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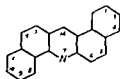
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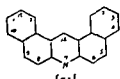
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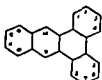


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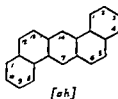


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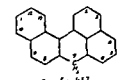
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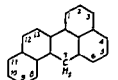
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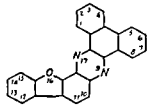


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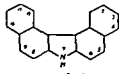


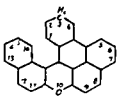
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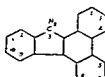
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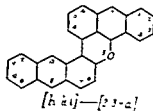
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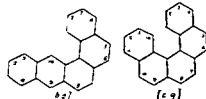
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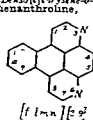
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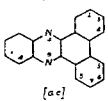
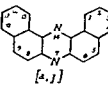
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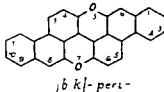
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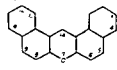
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


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
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


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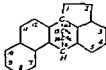


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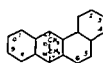
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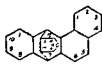
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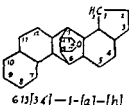
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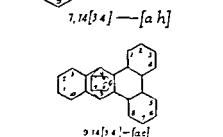
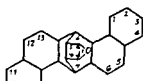


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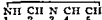
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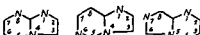


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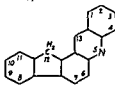
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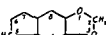
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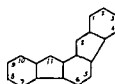
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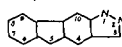
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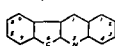
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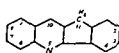


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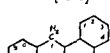
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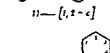
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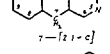
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



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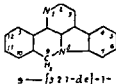
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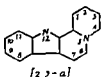
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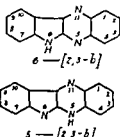
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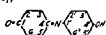
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
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
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
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
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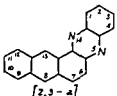









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
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
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
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
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
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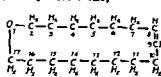
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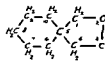


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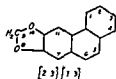
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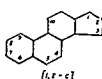
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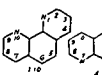
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1,0

4,7



1,7

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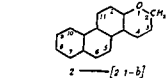
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
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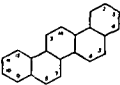
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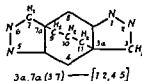
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
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
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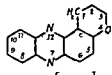
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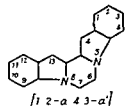
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




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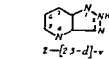
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$$\begin{array}{ccccccc} & \text{N} & \text{CH} & \text{N} & \text{CH} & \text{CH} & \text{CH} \\ & 1 & 2 & 3 & 4 & 5 & 6 \\ \text{derivs.} & \text{P 2656}^1, & \text{P 2909}^1, & \text{P 4631}^1, & & & \\ & 4577^1, & \text{P 4601}^1, & \text{P 5672}^1, & \text{P 6343}^1, & & \\ & \text{P 3027}^1, & \text{P 4345}^1, & \text{P 6480}^1 & & & \\ & \text{related to vitamin B}_1, & \text{P 5131} & & & & \\ & \text{effect on Torula growth, 5432}^1 & & & & & \\ & \text{as growth factor for Lactaria pisciformis,} & & & & & \\ & 4328^1 & & & & & \\ & \text{as growth substance for microorganisms,} & & & & & \\ & 9128^1 & & & & & \\ & \text{polarization of, 1102, 3791}^1 & & & & & \\ & \text{utilization by Phycococcus, 5461}^1 & & & & & \\ & 5-acetyl-4-methyl-2-phenyl-, & & & & & \\ & and semicarbazone, P 2909¹ & & & & & \\ & 4-amino-5-(aminomethyl)-2- & & & & & \\ & methyl-, P 5131¹ & & & & & \\ & growth promotion by, 3419¹ & & & & & \\ & 4-amino-5-(bromomethyl)-2- & & & & & \\ & methyl-, 3791¹, P 3341, 4643¹ & & & & & \\ & 4-amino-2,5-dimethyl-, growth & & & & & \\ & promotion by, 3419¹ & & & & & \\ & 4-amino-5-(ethoxymethyl)-2- & & & & & \\ & methyl-, P 2331¹ & & & & & \\ & 4-amino-5-(aminomethyl)-2- & & & & & \\ & methyl-, metal derivs., 1735¹ & & & & & \\ & 2-amino-4-methyl-, 3791¹ & & & & & \\ & 4-amino-6-methyl-, and derivs., & & & & & \\ & 3791¹ & & & & & \\ & 4-amino-2-methyl-5-(thio- & & & & & \\ & formamidomethyl)-, 3419¹, P 5130, & & & & & \\ & P 7049¹ & & & & & \\ & 2-chloro-4-isothiocyano-, 6855¹ & & & & & \\ & 1,3-dichloro-4-isothiocyano-, 6855¹ & & & & & \\ & 2-chloro-4-thiocyano-, 6855¹ & & & & & \\ & 2,4-diamino-6-methyl-, 3791¹ & & & & & \\ & 2,4-dichloro-5-ethyl-6-methyl-, & & & & & \\ & 1735¹ & & & & & \\ & 2,4-diethoxy-5-ethyl-6-methyl-, & & & & & \\ & 1735¹ & & & & & \\ & dihydroketo- See Pyrimidone & & & & & \\ & dihydroketo- See Pyrimidone & & & & & \\ & 4-methyl-, 2,4-dimethoxy-6- & & & & & \\ & methyl-, 1735¹ & & & & & \\ & 5-ethyl-4-methyl-, 2,6-dialkox- & & & & & \\ & derivs., 1737¹ & & & & & \\ & 2-(2-furyl)hexahydro-1,3-di- & & & & & \\ & phenyl-, 1288¹ & & & & & \\ & hexahydro-1,3-diphenyl-, 1288¹ & & & & & \\ & hexahydro-1,3-di-p-tolyl-, 1288¹ & & & & & \\ & hexahydro-2-(p-nitrophenyl)-1,3- & & & & & \\ & diphenyl-, 1288¹ & & & & & \\ & hexahydro-2-(p-nitrophenyl)-1,3- & & & & & \\ & di-p-tolyl-, 1288¹ & & & & & \\ & hexahydro-1,2,3-triphenyl-, & & & & & \\ & 1288¹ & & & & & \\ & hydroxy- See Pyrimidinone & & & & & \\ & 4-methyl-, 3791¹ & & & & & \\ & 1,2,3,4-tetrahydro-2,4-dioxo- & & & & & \\ & See Uracil & & & & & \\ & 2,4,6-trihydrazino-, formaldehyd- & & & & & \\ & condensation product of, P 2911¹ & & & & & \\ & 2,4,6-trimethyl-, and derivs., & & & & & \\ & 3791¹ & & & & & \\ 5-Pyrimidinebutyric acid, 5-allyl- & & & & & & \\ hexahydro-2,4,6-trioxo-, 3791¹ & & & & & & \\ —, 6-benzylhexahydro-2,4,6-trioxo- & & & & & & \\ —, 3791¹ & & & & & & \\ 3-ethylhexahydro-2,4,6-trioxo- & & & & & & \\ and Et ester, 3791¹ & & & & & & \\ hexahydro-5-isoamyl-2,4,6- & & & & & & \\ trioxo-, 3791¹ & & & & & & \\ hexahydro-2,4,6-trioxo-5 & & & & & & \\ propyl-, 3791¹ & & & & & & \\ 4-Pyrimidinecarbamidic acid, 2-chloro- & & & & & & \\ thio-, Et ester, 6855¹ & & & & & & \\ 5-Pyrimidinecarboxylic acid, 4-amino-2- & & & & & & \\ benzyl-, P 2909¹ & & & & & & \\ —, 4-amino-1-methyl-, P 2909¹ & & & & & & \\ hydrogenation of, 1734¹ & & & & & & \\ 4-hydroxy-2-methyl-, P 2909¹ & & & & & & \\ 5-Pyrimidineboronhydride, 4-amino-2- & & & & & & \\ methyl-, and derivs., 1734¹ & & & & & & \\ 5-Pyrimidinecarboxylic acid, 4-amino-2- & & & & & & \\ methyl-, Et ester, P 2909¹ & & & & & & \\ 2,4(1,3)-Pyrimidinedione See Uracil & & & & & & \\ 4,6(1,5)-Pyrimidinedione, 2-(2-buten- & & & & & & \\ ylmercapto)-5-butylyl-, 1275¹ & & & & & & \\ 5-Pyrimidinemethanesulfonic acid, 4- & & & & & & \\ amino-2-methyl-, 3111¹ & & & & & & \\ 4-hydroxy-2-methyl-, P 5131¹ & & & & & & \\ 8-Pyrimidineethanol, 4-amino-2- & & & & & & \\ methyl-, 2533¹, 4643¹ & & & & & & \\ —, 4-amino-2-methyl-α-2- & & & & & & \\ phenyl-, 1733¹ & & & & & & \\ Pyrimidines, 1331¹, 1737¹, 6855¹, 8572¹$$

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
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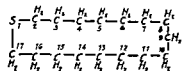
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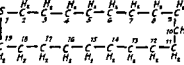
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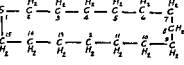
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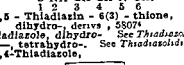
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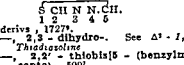
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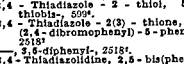
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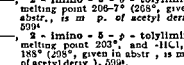
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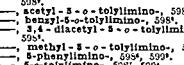
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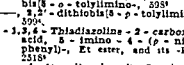
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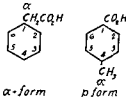
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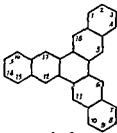
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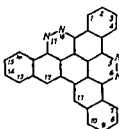
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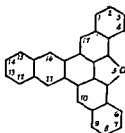
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
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III. FORMULA INDEX

KEY

In using this index the following should be borne in mind:

1. The Formula Index is supplementary to the Subject Index; in no sense does it replace any part of the latter. Unnamed, incompletely described compounds can often be given specific entry in the Formula Index only.

2. Inorganic as well as organic compound have been entered.

3. Entries under their own formulas are made for all strictly inorganic and strictly organic compounds, both addition compounds and true reaction derivatives (this includes esters, hydrazones, methohalides, oximes, picrates, semicarbazones, etc.). Inorganic salts of organic acids and inorganic addition compounds of organic compounds (hydrohalides, chloroplatinates, perchlorates, sulfates, etc.) are not given separate entries but are indicated in modifying phrases under the formulas of the compounds from which they are derived (under the acid in the case of a salt). Salts of formic, acetic and oxalic acids are exceptions; these are entered as such.

4. The arrangement of symbols in formulas is alphabetical except that in carbon compounds C always comes first, followed immediately by H if hydrogen is also present.

5. The arrangement of formulas is also alphabetical except that the number of atoms of any specific kind influences the order of compounds; e. g., all formulas with 1 C come before those with C₂ thus: CCl₂O, CCl₄, CHCl₃, CHN, CHNO, CH₂Br₂, CH₂O, CH₃Cl, CO, C₂Ca, C₂H₄O₂.

6. The arrangement of entries under any heading is alphabetical according to the preferred names of the isomers.

7. Entries consist of (a) the formula (in bold-face type), (b) the name as it has been entered in the Subject Index (in light-face Roman type; it

should be noted particularly that the part of the entry in this type is the exact equivalent of the formula given), (c) occasionally a modifying phrase or word such as "Ca salt" or "hydrochloride" (in italics, different type being used to set off that part of a compound being indexed which is not represented in the formula used, see ¶ 3 above), (d) the column reference and (e) the fraction of the column in ninths (indicated by a small superior numeral) in which the compound will be found.

8. Cross-references are to the Subject Index.

9. Water of hydration is not made a part of the formulas indexed but is usually given in light-face type following the formulas.

10. Polymers having different names and recognized as different substances, e. g., acetaldehyde and paraldehyde, are all entered under their accepted formulas. But definite compounds for which different polymeric formulas are in use are entered under the simplest formula.

11. A straight line, thus —, used under some headings to avoid repetition of names, always stands for the name of the "index compound," i. e., that part of the preceding name (inverted) which comes before the comma.

12. "P" before a page number indicates that the abstract is of a patent.

13. The names beryllium (Be), columbium (Cb), hafnium (Hf) and illinium (Il) are given preference over glucium (Gl), niobium (Nb), celtium (Ct) and fluorentium (Fr), respectively, for these elements.

14. For deuterium the symbol D is used. It is placed alphabetically in formulas, the exception in arrangement made for H not being extended to include this isotope.

The Key to a Formula Index is necessarily lengthy. It would not be correct to conclude from this that this index is difficult to use. Experience is to the contrary.

INTRODUCTION

General purpose and policy. The location of chemical compounds in an index by names is at times uncertain because names vary and in the case of complex compounds may be difficult to ascertain. New compounds are constantly being prepared, which, if named at all, may receive

more than one name that is justified from one point of view or another, and the possibilities of incorrect names are great. Since the kinds and number of component atoms of a chemical compound are unvarying characteristics the supplementary Formula Index to *Chemical Abstracts* is

published for the purpose of eliminating this element of uncertainty in the Subject Index. Except that unnamed compounds are no longer entered under the heading "Compound," the Subject Index is in no way altered on account of the Formula Index. In the Subject Index related compounds are *grouped* rather effectively and to good use by the present system of indexing on the basis of "parent compounds" or more accurately "index compounds", in the Formula Index the certain location of *individual* compounds is the primary consideration. The Subject Index is more convenient to use in some respects, and it frequently contains more information in the form of modifying phrases. The repetition of modifying phrases in the Formula Index beyond necessary brief phrases to indicate derivatives has been avoided as unnecessary for the accomplishment of the real purpose of this index, as stated above, and is inconsistent with necessary economy. Isomerism is not indicated in the Formula Index in cases in which the names differ only in position numbers or letters but it always is in the Subject Index when known. Ready reference to the Subject Index for the purpose of locating information regarding related compounds is made possible by the use in the Formula Index of names following the formulas written exactly as they appear in the former index.

All new compounds and all compounds for which new data are given have been entered. Most of the compounds

have been entered under their own formulas. Some departure from a policy of making separate formula entries for derivatives of all kinds is reasonable and accords with custom. The only departures in this index (see ¶ 3 of the Key) have been in classes of compounds the natures of which would be more than likely apparent to the investigator. The interest in a salt of a complex organic acid, for example, is likely to be mainly in the acid, and it is considered more valuable to have the record of it under the formula of the acid for the use of searchers looking up that acid.

In the case of unnamed organic compounds where possible the class, as acid, and melting or boiling point have been given.

Cross references to the Subject Index have been used for many simple inorganic compounds, for all minerals of definite composition and for the organic compounds more commonly met with, in general, whenever it seemed likely that users of *Chemical Abstracts* would predominantly refer to the Subject Index.

The System. The system, as described in the Key, is, with slight modifications, that worked out by Dr. Edwin A. Hill,¹ and used by the Classification Division of the U. S. Patent Office. This system is preferred to the system of Richter's *Lexikon* because of its greater simplicity and its applicability with equal fitness to inorganic as well as to organic compounds.

AgAlBrCl₂, 5374¹.
 AgAlBrCl₂, 5374¹.
 AgAlBr₂ Silver bromoaluminate, 5274¹.
 AgAl₂, 6773¹.
 AgAlBr Silver bromoaluminate, 5274¹.
 AgBr See Silver bromide.
 AgBrPb Lead silver bromide, 7636¹.
 AgCl See Silver chloride.
 AgFeO See Si, or ferrite.
 AgFeO See Silver hydroxide.
 AgI See Silver iodide.
 AgIO₂ Silver iodate, 2534¹.
 AgMg, 7714¹.
 AgMnO₂ See Silver permanganate.
 AgNO₂ See Silver nitrite.
 AgNi See Silver oxide.
 AgP See Silver phosphide.
 AgP₂ See Silver phosphide.
 AgZn, 4115¹.
 AgBeFeH₂N₂, 7231¹.
 AgCrO₂ See Silver chromate.
 AgCrO₃ See Silver chromate.
 AgH₂ See Nickel hydride.
 AgMnO₂ Silver hypomanganate, 9303¹.
 AgO See Silver oxide.
 AgO₂ See Silver sulfate.
 AgS See Silver sulfide.
 AgSb See Gallium sulfide.
 AgTe See Silver telluride.
 AgAl, 7714¹.
 AgAl₂, 6773¹.
 AgAl₃, 6773¹.
 AgO₂ See Silver phosphate.
 AgO₃ See Silver vanadate, 4743¹.
 AgO₄ See Silver phosphate.
 AgO₅ See Silver phosphate.
 AgO₆ See Silver phosphate.
 AlBr₂, 2432¹.
 AlBr₃, 9075¹.
 AlBr₄ Aluminum bromide, 4455¹.
 AlBrCl₂, 5274¹.
 AlBrCl₃Na, 5274¹.
 AlBr₂ See Aluminum bromide.
 AlBr₃ See Aluminum bromide.
 AlBr₃Cl₂, 5274¹.
 AlBr₃Na, 5274¹.
 AlBr₃K Potassium bromoaluminate, 5274¹.
 AlBr₃Li Lithium bromoaluminate, 5274¹.
 AlBr₃Na Sodium bromoaluminate, 5274¹.
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 AlBr₃Si₁₇₆ Aluminum bromoaluminate, 5274¹.
 AlBr₃Si₁₇₇ Aluminum bromoaluminate, 5274¹.
 AlBr₃Si₁₇₈ Aluminum bromoaluminate, 5274¹.
 AlBr₃Si₁₇₉ Aluminum bromoaluminate, 5274¹.
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 AlBr₃Si₁₈₄ Aluminum bromoaluminate, 5274¹.
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 AlBr₃Si₁₈₆ Aluminum bromoaluminate, 5274¹.
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 AlBr₃Si₂₄₉ Aluminum bromoaluminate, 5274¹.
 AlBr₃Si₂₅₀ Aluminum bromoaluminate, 5274¹.
 AlBr₃Si₂₅₁ Aluminum bromo

- C₂H₅CoIN₃O₃ 3280;
 C₂K₂O₂ Potassium uranyl carbonate, 4523².
 C₂Mg₂ Magnesium carbide, P 6338¹.
 C₂Mg₂O₂ Magnesium carbonate, 7687¹.
 C₂N₂O₂ Carbonic cyanide, 665², P 2162².
 C₂O₂ Carbon oxide, 2485².
 C₂V₂ Vanadium carbide, 933².
 C₂BaCo₂N₂S₂ Barium cobaltothiocyanate, 1524².
 C₂Ba₂N₂P₂ + 4H₂O Barium cyanonickelate (II), 6077¹.
 C₂Ba₂N₂P₂ + 4H₂O Barium cyanopalladate, 6077¹.
 C₂Ba₂N₂P₂ + 4H₂O Barium cyanoplatinate, 6077¹.
 C₂Br₂N₂ Methanethiocarbonylurea, bromo-, 21¹.
 C₂Br₂S₂ Thiophene, tetrabromo-, 582¹, 1316¹.
 C₂Cl₂O₂ Quinone, tetrachloro-, 9078¹.
 C₂Cl₂ Carbon chloride, 5548².
 C₂Cl₂F₂ Butane, 1,1,1,2,2,4,4,4-octa-chloro-3,3-difluoro-, 4189¹, 7625¹.
 C₂Co₂N₂Na₂S₂ Sodium cobaltothiocyanate, 4095¹.
 C₂Co₂O₂ See Cobalt carbonyl.
 C₂Co₂N₂K₂ Potassium cyanocuprate (II), 2214¹, 7208¹.
 C₂Cu₂F₂O₂ Acetic acid, trichloro-, Cu complex, 8173².
 C₂D₂O₂ 1-thyl-dio ether, 8600².
 C₂Fe₂N₂S₂ 9179¹.
 C₂Br₂N₂O₂S₂ Thiophene, dibromonitro-, 1316¹.
 C₂H₂Br₂S₂ Thiophene, 2,3,5-tribromo-, 1316¹.
 C₂H₂Br₂N₂ Pyrolyte, tetrabromo-, 9320¹.
 C₂H₂Co₂O₂ 3285², 5719¹.
 C₂H₂Br₂Cl₂O₂ Furan, 2-bromo(chloromercu-), 5844¹, 8802¹.
 C₂H₂Br₂N₂O₂S₂ Thiophene, 2-bromo-5-nitro-, 1316¹.
 C₂H₂Br₂N₂O₂ Dibromonitro-, 7749¹.
 C₂H₂Br₂O₂ 1-uran, 2,5-dibromo-, 5845¹.
 C₂H₂Br₂O₂ 2,3-Butanedione, tetrabromo-, 1769¹.
 C₂H₂Cl₂NO₂ Furan, 2-(chloromercu-)-5-nitro-, 8802¹.
 C₂H₂D₂O₂ Fumane diacid, 6800¹.
 C₂H₂Fe₂O₂ 5719¹.
 C₂H₂Co₂Sb₂ + H₂O See Tartar emetic.
 C₂H₂Mg₂O₂ 6003².
 C₂H₂N₂O₂ See Allotans.
 C₂H₂N₂S₂ 1,3,4-Thiadiazole 2-thiol, 5,5'-thiobis-, 599¹.
 C₂H₂O₂ See Maleic anhydride.
 C₂H₂Br₂O₂ 1-uran, 2-bromo-, 5844¹.
 C₂H₂O₂ 3,1-uranol, 2-bromo-, 6302¹.
 C₂H₂Br₂N₂S₂ Thiazole, 2,5-dibromo-4-methyl-, 7783¹.
 C₂H₂Cl₂NO₂ 1-uran, (chloromercu-), 8802¹.
 C₂H₂Cl₂Se₂ Selenophene, 2-(chloromercu-)-, 6303¹.
 C₂H₂HzNO₂ 1-uran, (hydroxymercuro-), nitrate, 8802¹.
 C₂H₂Im₂O₂ Ketene, 1-hydroxyethylidene-, 3161 deriv, 2488¹.
 C₂H₂N₂O₂ 4-Imidazolecarboxylic acid, 2-iodo-, 4665¹.
 C₂H₂K₂O₂ See Potassium oxalate.
 C₂H₂N₂O₂ 5-1-thiazolecarboxylic acid, 7853¹.
 C₂H₂N₂O₂ 1-thiazole, 1316¹.
 C₂H₂N₂O₂ Furanol, nitroso-, 6833¹.
 C₂H₂N₂O₂ Furanol, nitro-, 6833¹.
 C₂H₂N₂O₂ Succinic anhydride, triazo-, 3334¹.
 C₂H₂ (See also 1-Eulen 3-ene).
 C₂H₂Cl₂ Cyclobutene, 9063¹.
 C₂H₂As₂Cl₂ Arsenic, chlorobis-(2-chlorovinyl)-, 2243¹.
 C₂H₂Br₂Cl₂O₂ Acetic acid, trichloro-, 2-bromomethyl ester, 6092¹.
 C₂H₂Br₂O₂ 2-Thiazolol, 5-bromo-4-methyl-, 7783¹.
 C₂H₂Br₂O₂ Succinic acid, α,β-dibromo-, 6791¹, nitro-, 2485¹.
 C₂H₂Br₂O₂ 2-Butanone, tetrabromo-, 1660¹.
 C₂H₂Cl₂N₂S₂ 119².
 C₂H₂Cl₂O₂ Succinyl chloride, 155¹.
 C₂H₂Cl₂O₂ Succinic acid, α,β-dichloro-, 1603¹.
 C₂H₂Cl₂OPb₂ 933².
 C₂H₂Cl₂O₂ Acetic acid, trichloro-, 2-chloroethyl ester, 6093¹.
 C₂H₂Cl₂ Butane, 1,1,2,3,4,4-hexachloro-, 702¹.
 C₂H₂D₂O₂ Succinic acid, 4480¹.
 C₂H₂D₂O₂ Tartaric acid, α,β-di-, and Pb salt, 8804¹.
 C₂H₂I₂N₂ Imidazole, 2,5-di-4-methyl-, 665¹.
 C₂H₂I₂O₂ Crotonic acid, α,β-di-4-methyl-, 131¹.
 C₂H₂KN₂O₂ See Potassium sodium tartrate.
 C₂H₂K₂O₂ 3b See Tartar emetic.
 C₂H₂N₂ (See also Pyrimidine).
 Pyrazine, 8005¹.
 Succinonitrile, 3778¹, 7651¹, 8009¹, 9112².
 C₂H₂N₂O₂ Uracil, 4321¹.
 C₂H₂N₂O₂ Barbituric acid, 2-thio-, 1726¹.
 C₂H₂N₂O₂ See Barbituric acid.
 C₂H₂N₂O₂ 2-Thiazolol, 4-methyl-5-nitro-, 3791¹.
 C₂H₂N₂O₂ See Diisuric acid.
 C₂H₂N₂O₂ Tartaric acid, dimaleate, 4199¹.
 C₂H₂N₂S₂ Glycol, dithiocyanate, 3328¹.
 C₂H₂N₂OTl₂ 1193¹.
 C₂H₂N₂As₂ Nitrile, β-amino-, 138¹.
 Hydrocyanic acid, tetramer, 138¹.
 Maleonitrile, diamino-, 138¹.
 C₂H₂N₂O₂S₂ Thiazole, 4- and methyl-2-nitro-4-methyl-, 3791¹.
 C₂H₂O₂ See Furan.
 C₂H₂O₂ (See also "dimer" under Ketene).
 1-Butene 2,3 dione, 2110¹.
 1,3-Cyclobutadiene 1,3-diol, 8117¹.
 1,3-Cyclobutanedione, 8117¹, 9063¹.
 2-Cyclobutenol 1-one, 3-hydroxy-, 8117¹.
 Furanol, 8302¹, 8833¹.
 Malealdehyde, 3189¹.
 Propolic acid, Me ester, 481¹.
 Tetrolic acid, 131¹, 5829¹, 8117¹.
 C₂H₂O₂ (See also Succinic anhydride).
 Tetronic acid, 4198¹.
 C₂H₂O₂ (See also Fumaric acid, Maleic acid).
 Tetronic acid, hydroxy-, 479¹.
 C₂H₂O₂ (See also Oxalic acid).
 Furanol, 8302¹, 8833¹.
 Maleic acid, hydroxy-, 138¹.
 Succinic acid, α,β-epoxy-, 5439¹, 7339¹.
 C₂H₂O₂ Maleic acid, dihydroxy-, 131¹.
 C₂H₂S₂ See Thiophene.
 C₂H₂Se₂ Selenophene, 2785¹, 9064¹.
 C₂H₂Br₂ 1,2-Butadiene, 4-bromo-, P 1345¹.
 C₂H₂Br₂N₂S₂ Thiazole, 2-amino-5-bromo-4-methyl-, 7783¹.
 C₂H₂O₂ Crotonic acid, bromo-, 5829¹.
 C₂H₂Br₂O₂ Succinic acid, bromo-, 3334¹.
 C₂H₂Cl₂ (See also Chlorobenzene).
 1,2-Butadiene, 4-chloro-, P 886¹, P 1345¹.
 C₂H₂Cl₂O₂ 3-Buten 2-one, chloro-, P 1753¹.
 C₂H₂Cl₂O₂ Succinic acid, chloro-, 6605¹.
 C₂H₂Cl₂O₂ Maleic acid, chloro-, 6605¹.
 C₂H₂Cl₂O₂ 2-Butanone, 1,1,4-trichloro-, 633¹.
 C₂H₂Cl₂O₂ Acetic acid, trichloroethyl ester, 6233¹.
 C₂H₂Cl₂O₂ Acetic acid, trichloro-, ethyl ester, 1183¹, 6093¹.
 C₂H₂Im₂ Imidazole, isodimethyl-, 4668¹.
 C₂H₂Im₂ Crotonic acid, β-iodo-, 131¹.
 C₂H₂Im₂O₂ Succinic acid, iodo-, 3334¹.
 C₂H₂K₂O₂ See Potassium tartrate.
 C₂H₂N₂ See Methacrylonitrile Pyrolyte.
 C₂H₂N₂O₂ 2-Thiazolol, 4-methyl-, 3791¹, 7783¹.
 2(3) Thiazolone, 4-methyl-, 1726¹.
 C₂H₂Br₂ (See also Succinimide).
 1-uranol, amino-, 8833¹.
 C₂H₂N₂O₂ Propionic acid, α-thiocyno-, 450¹.
 C₂H₂N₂O₂ 2,4-Oxazolidinedione, 5-methyl-, 6802¹.
 C₂H₂N₂O₂S₂ Thiazolesulfonic acid, 4-methyl-, 1316¹.
 C₂H₂N₂O₂S₂ 5-Thiazolesulfonic acid, 2-hydroxy-4-methyl-, 3791¹.
 C₂H₂N₂S₂ Isothiocyanic acid, allyl ester, 4131¹, 4310¹, 5593¹, 8142¹, 8675¹.
 9001¹.
 Thiazole, 4-methyl-, 603¹, P 2903¹, 3791¹, 7783¹.
 Thiophenene, 1821¹.
 C₂H₂N₂S₂ 2-Thiazolol, 4-methyl-, 3791¹, 7783¹.
 C₂H₂N₂O₂ Cytosine, 7368¹.
 C₂H₂N₂O₂ 4,5-Pyrazoledione, 3-methyl-, 4-oxime, 6303¹.
 C₂H₂N₂O₂ Furanol, 4-thio-, 1726¹.
 C₂H₂N₂O₂ Uramil, 1671¹.
 C₂H₂N₂O₂ Succinic acid, triazo-, 3334¹.
 C₂H₂O₂S₂ 8b Antimonothioglycolic acid, 136¹.
 C₂H₂ (See also Butadiene, Butyne).
 Cyclobutene, 9063¹.
 C₂H₂Ag₂N₂O₂ 2,4(1,3)-s-Triazinedione, dihydro 6-methyl-, Ag deriv, 232¹.
 C₂H₂Br₂ 2-Butene, 1,4-dibromo-, 1316¹, 406¹.
 C₂H₂Br₂O₂ Butyric acid, α,γ-dibromo-, 4204¹.
 C₂H₂Ca₂O₂ See Calcium acetate.
 C₂H₂Cl₂O₂ Acetonitrile, (2-chloroethoxy)-, 6243¹.
 C₂H₂Cl₂ Butene, dichloro-, 4199¹, 7822¹.
 Propene, 3,3-dichloro-2-methyl-, 4190¹.
 C₂H₂Cl₂O₂ Acetic acid, dichloro-, Et ester, 1183¹.
 C₂H₂Cl₂ Butane, tetrachloro-, 4190¹, 7273¹.
 C₂H₂Co₂O₂ See Cobalt acetate.
 C₂H₂Co₂O₂ See Copper acetate.
 C₂H₂D₂O₂ Butyric acid, 7850¹, 8740¹.
 C₂H₂Hg₂O₂ See Mercury acetate.
 C₂H₂I₂O₂ Butyric acid, β,β-di-4-methyl-, 131¹.
 C₂H₂Im₂O₂ Magnesium acetate, 835¹.
 C₂H₂Im₂O₂ See Allotans acetate.
 C₂H₂Im₂O₂ Imidazole, 4-methyl-, 4688¹.
 C₂H₂N₂O₂ (See also Pyrazinodione).
 Fumaramide, 9106¹.
 Maleamide, 9106¹.
 Imidantone, 1-methyl-, 1318¹.
 C₂H₂N₂O₂S₂ 2-Thiazolesulfamic acid, 4-methyl-, 3791¹.
 5-Thiazolesulfonic acid, 2-amino-4-methyl-, 3791¹.
 C₂H₂N₂S₂ Thiazole, 2-amino-4-methyl-, 3791¹, 7783¹.
 C₂H₂N₂O₂ See Allotans.
 C₂H₂N₂O₂ Erythritol, tetraacetate, 4037¹, 4423¹, 7201¹.
 C₂H₂O₂ (See also 1-Eulen 2-one, Crotonaldehyde, Vinyl ether).
 2,3-Butadiene 1-ol, P 1345¹.
 Butynol, P 1345¹, 8570¹.
 Cyclobutanone, 8117¹, 9063¹.
 Cyclopropanecarboxaldehyde, 4204¹.
 Iuran, dihydro-, 2783¹.
 Methacrylaldehyde, P 5006¹.
 C₂H₂O₂ (See also Butylol Crotonic acid).
 Acetic acid, vinyl ester, 2847¹, 4969¹, 6282¹, 6709¹, 7732¹, 8068¹.
 Acrylic acid, Me ester, 6078¹, 8174¹, 9143¹.
 Butyrolactone, 5267¹.
 Cyclopropanecarboxylic acid, 1662¹.
 Methacrylic acid, P 2536¹, P 5006¹, 8532¹, P 7208¹, P 7931¹.
 C₂H₂O₂S₂ Thiophene, 2,3-dihydro-, 1-dioxide, 1299¹.
 C₂H₂O₂ (See also Acetic anhydride, Acetoacetic acid).
 Butyric acid, α,γ-dihydroxy-, γ lactone, 4-oxo-, 8270¹.
 2,3-Dioxanone, P 2542¹, P 3818¹.
 Pyruvic acid, Me ester, 6246¹.
 C₂H₂O₂ (See also Succinic acid).
 1-Ethronic acid, lactone, 6802¹.
 Glycol, diformate, 3760¹.
 C₂H₂O₂Pb₂ See Lead acetate.
 C₂H₂O₂S₂ Acetic acid, dithiodi-, 905¹, 4580¹.
 C₂H₂Cl₂Na₂ See Sodium acetate.
 C₂H₂O₂ (See also Maleic acid).
 C₂H₂O₂ See Tartaric acid.
 C₂H₂O₂ 1-Uranyl acetate, 2413¹, 6122¹.
 C₂H₂O₂Pb₂ 933².
 C₂H₂S₂ 2,3-Butadiene 1-thiol, P 1345¹.
 Thiophene, 2,5-dihydro-, 1316¹.
 Vinyl sulfide, 4102¹.
 C₂H₂As₂Br₂N₂O₂ 2838¹.
 C₂H₂Br₂ See Butene, bromo-.
 C₂H₂Br₂Mg₂ 2-Butenylmagnesium bromide, 3758¹.
 C₂H₂Br₂O₂ 2-Butanone, 1-bromo-, 2243¹.
 C₂H₂Br₂O₂ Acetic acid, bromo-, Et ester, 4219¹, 7788¹.
 Butyric acid, β-bromo-, 3242¹, 5, 5829¹.
 C₂H₂Cl₂Ca₂O₂ 933².
 C₂H₂Cl₂ (See also Butene, chloro-).
 Isocetyl chloride, 6509¹.
 Iropene, chloromethyl-, 2989¹, 3753¹, 9082¹.
 C₂H₂Cl₂O₂ 2-Butanone, 3-chloro-, 8574¹.
 Butyraldehyde, β-chloro-, 8172¹.
 Butyryl chloride, 3931¹, 6283¹.
 Isobutyryl chloride, 3758¹.
 C₂H₂Cl₂O₂ Acetic acid, chloroethyl ester 4533¹, 6234¹.
 Acetic acid, chloro-, ethyl ester, 1183¹.
 Formic acid, chloro-, isopropyl ester 9138¹.
 C₂H₂Cl₂O₂ Ethanol, 2-methoxy-, chloroformate, 1274¹.
 C₂H₂Cl₂O₂S₂ 3-Thiophene ol, 4-chloro-tetrahydro-1-dioxide, P 2096¹.
 C₂H₂Cl₂O₂ 2-Butanone, 2,3-trichloro-, 4190¹.
 Propane, 1,1,2-trichloro-2-methyl-, 4190¹.
 C₂H₂Cl₂O₂ See Chlorotene.
 C₂H₂Im₂Im₂O₂ Imidazole, N (acetoxymercu-), 8573¹.
 C₂H₂Hg₂N₂O₂ 2,4(1,3)-s-Triazinedione, dihydrobis(hydroxymercuro-)-6-methyl-, 2527¹.
 C₂H₂I₂ 2-Butene, 1-iodo-, 1657¹.
 C₂H₂Im₂N₂O₂ Acetamide, α,α'-azobis-, K deriv, 6246¹.
 C₂H₂N₂ 2,3-Butadienylamine, P 1341¹.
 Butyrolactone, 7155¹.
 Pyruvic acid, 255¹.
 C₂H₂N₂O₂ Butyrolactone, γ-hydroxy-, 6159¹.

Cyclopropanecarboxaldehyde, *o*-xime, 420¹
Isobutryronitrile, α -hydroxy-, 3242¹, 6150¹
Methacrylamide, P 275, P 2536¹, P 3518¹, P 5093¹
Pyrolidones, 1349¹
C.H.N.O. Homocysteine, lactone, 1743¹, 8719¹ *salis*, 1271¹
C.H.N.O. Biacetyl, *o*-xime, 4551¹, 7734¹
Compd, *bu*-63-4¹, P 1342¹
C.H.N.O.S. 4 Thiazolidinecarboxylic acid, 743¹
C.H.N.O. Acetic acid, 5559¹, 5539¹
C.H.N.O.S. Propionic acid, α mercapto-, carbamate, 456¹
C.H.N.O. (See also *Asparagine acid*)
Acetic acid, imino-, 9459¹
Compd, *bu*-4 + 31-32 5¹, P 1342¹
C.H.N. Propionitrile, β methylmercapto-, 2106¹
C.H.N.O. See *Creatinine*
C.H.N.O. 2,4(1,3) - *s* - Triazinedione, dihydro-6-methyl-, and *sol* 1, 2336¹
C.H.N.O. Malonic acid, guanido-, 5429¹
C.H.N. 1,2,3-Butanetriol, triurate, P 4758¹
C.H.N.O. 4 - Pyrimidol, 2,5,6 - triamino-, 6556¹
C.H. (See also *Butane*, *Propane*, 2-methyl) *sol*, 9111, 9063¹
Tetramethylene, 9286¹
C.H. α ClO.S. 3, 3284¹
C.H. α Cl.N.O.S. 3, 3284¹
C.H.Br. Butane, dibromo-, 6235¹, 6241¹
C.H.Br.CuS. 3, 3284¹
C.H.Br.CuS. 3, 3284¹
C.H.Br.CuS. 3, 3284¹
C.H.Br.HgO. 691¹
C.H.Br.HgS. 3, 3284¹
C.H.Br.Od.S. 3, 3284¹
C.H.Br.Od.S. 3, 3284¹
C.H.ClNO. Butane, 2 - chloro - 2 - nitroso-, 2416¹
C.H.Cl. Butane, dichloro-, 1658¹, 4150¹
Propane, 1,8 - dichloro - 2 - methyl-, P 3129¹, P 3129¹
C.H.Cl.CuS. 3, 3284¹
C.H.Cl.CuS. 3, 3284¹
C.H.Cl.HgO. 691¹
C.H.Cl.HgS. 3, 3284¹
C.H.Cl.O. 2-ether, bis(2-chloroethyl), 2643¹, 5335¹, 5897¹, 9324¹
Ether, 1,2-dichloroethyl-2-chloroethyl, 6243¹
- 2-chloroisopropyl chloromethyl, 7733¹
C.H.Cl.S. Sulfone, bis(2-chloroethyl), 8328¹
C.H.Cl.O.S. Sulfone, bis(2-chloroethyl), 5456¹, 5325¹
C.H.Cl.PtS. 3, 3284¹
C.H.Cl.S. See *Sulfide*, bis(2-chloroethyl)
C.H.Cl.S. Selenide, bis(2-chloroethyl), 5039¹
C.H.Cl.N.S. Ammonium cobaltothiocyanate, 2¹
C.H.N. Butane, 2,2-difluoro-, 4189¹
C.H.N.H. 2, 691¹
C.H.N.H.S. 3, 3284¹
C.H.N.H.N.O. Acetamide, N Hg deriv., 472¹
C.H.N.H.N.O.S. 3, 3284¹
C.H.N. Butane, 1,4-diodo-, 2134¹
C.H.N. Glycinonitrile, N, N-dimethyl-, 4584¹
2 - Iodoethane, 2 methyl-, 4210¹
C.H.N.O. Isobutyronitrile, α hydroxamino-, 3334¹
C.H.N.O. Glyoxime, dimethyl-, 1577¹, 7649¹, 8113¹
C.H.N.O. (See also *Asparagine*, *Glycine*, N *thyl*)
Malamide, 6693¹
C.H.N.O. Tartramide, 6693¹
C.H.N.O.S. 3 - Hydroxymethylene-carboxylic acid, 1 sulfon-, Et ester, A *sol*, 6246¹
C.H.N.O. 2,3 Butanediol, diurate, 4571¹
C.H.N.O.Pt. 7, 729¹
C.H.N.S. Thioamide, 5025¹
C.H.N.S. Formamide, N, N' - ethylenebis-(thio-, P 7046¹
C.H.N.O. Allantoin acid, 1011¹, 7359¹
C.H.N.O. See also 2-Butanone, Butyraldehyde, Farnol, Ivaldehyde, Isobutyraldehyde
Butane, 2,3-epoxy, 6244¹, 6719¹, 6797¹
Butadiol, P 944¹, 5643¹, 9072¹
1-ether, ethyl vinyl, 2413¹, 9139¹
C.H.O.S. Acetic acid, thiono-, Et ester, 728¹
Propionaldehyde, β - methylmercapto-, 2106¹
C.H.O.S. Isopropylanthracic acid, *salis*, 8574¹
Propylanthracic acid, *salis*, 8574¹
C.H.O. (See also 4,4-d, 2-Butanone, hydroxy-, Butyric acid, Dioxane, Ethyl acetate, Isobutyric acid)
Butyraldehyde, α hydroxy-, 4204¹
Formic acid, Et ester, 6240¹, 8070¹
Propionic acid, Me ester, 6692¹
C.H.O.S. Butyric acid, α mercapto-, and *deriv*-, 5507¹
Propionic acid, β - methylmercapto-, 2106¹
C.H.O. (See also Butyric acid, hydroxy-)
Carbonyl acid, Et Me, 6692¹
1,3 Dioxolamethanol, P 1809¹, P 2542¹, 4203¹
Lactic acid, Me ester, 8173¹
C.H.O.S. 2,3 Butanediol, sulfite, 6797¹
C.H.O. Erythrose, 6802¹
Erythrulose, 6804¹, 6250¹
C.H.O.S. Propionic acid, α (methylsulfonyl), 4114¹
C.H.O. Erythronol, acid, 4195¹, and *salis*, 6802¹
C.H.O.S. Thophene, tetrahydro-, 2785¹, 7779¹
C.H.S. Selenophene, tetrahydro-, 7783¹
C.H.Br. See *Butane*, bromo-, *Propane*, bromomethyl
C.H.Br.Mg. Butylmagnesium bromide, 128 + 1, 6524¹
sec-Butylmagnesium bromide, 5565¹
Isobutylmagnesium bromide, 128, 7757¹, 8365¹
C.H.O. 2 Butanol, 3 bromo-, 6235¹, 6241¹
Ether, 2 bromoethyl ethyl, 2120¹, 7789¹
C.H.Br.O. Acetaldehyde, bromo-, di Me acetal, 6795¹
C.H.O. Cl. See *Butane*, chloro-, *Propane*, chloromethyl
C.H.C.Hg. *tert*-Butylmercury chloride, 129¹
C.H.C.Hg.S. Butylmercaptomercury chloride, 1263¹
C.H.C.Hg. sec - Butylmagnesium chloride, 5504¹
tert - Butylmagnesium chloride, 1267¹, 5504¹
C.H.C.Hg.O. 3 - Methoxypropylmagnesium chloride, 5566¹
C.H.O. *tert* Butyl hypochlorite, 127¹
Ether, 2-chloroethyl ethyl, 2120¹, 7789¹
- α -chloropropyl methyl, 8566¹
C.H.O. Cl. Acetaldehyde, chloro-, di Me acetal, 6795¹
C.H.O. Cl.S. Butyl chlorosulfinate, 2483¹, 8579¹
C.H.O. Cl.S. Butyl chlorosulfonate, 126¹, 8579¹
C.H.O. Cl.S. Trithiane, methochloride, 4192¹
C.H.Cl.N.Pt. 9281¹
C.H. (See also *Butane*, *iso*-)
Propane, isomethyl, 4129¹, 9093¹
C.H.N.HgO. Butoxymagnesium iodide, 806¹
C.H.O. Ether, ethyl 2 iodoethyl, 7789¹
C.H.S. 2 - Propanesulfonyl iodide, 2 - meth, 4937¹
C.H.S. Trithiane, methiodide, 4193¹
C.H.Li. Lithium, butyl, 1,24, 1633¹, 3772¹, 3376¹, 6302¹
C.H.N. Allylamine, methyl-, 1671¹, and *HCl*, 8585¹
Methylamine, N propylamine, 8118¹
Pyrolidone, 2786¹, 7779¹
C.H.N.O. (See also *Morpholine*)
Acetamide, N, N-dimethyl-, 4584¹, 8117¹
N-ethyl-, 4589¹, 6718¹, 8117¹
Acetamidic acid, Et ester, 6718¹
1 Acetamidom

- Acetic acid, allyl ester, 132², 5364¹, 7731¹, P 8362²
 Acrylic acid, Et ester, 6796², 2
 3 Butenoic acid, Me ester, 8174¹
 Cyclopentanone, 2 hydroxy, 4204¹
 Hydrogen peroxide, 2-cyclopentenyl, 9222²
 Methacrylic acid, Me ester, 431¹, P 7731¹, P 7531¹, P 1412¹, 1524¹, P 2231¹, P 3030¹, 8454¹, P 3459¹, 5254¹, 5253¹, 6235¹, P 6470¹, P 6456¹, 7166¹, P 7317¹, P 7816¹, P 7821¹
 Selenic acid, 3799¹
 Tergic acid, 3334¹
 Valeric acid, γ hydroxy, lactone, 5267¹, 8150¹
 C₂H₅O₂ (See also *Lactic acid*)
 Butyric acid, γ formyl, 7233¹
 —, α-oxo-, Me ester, 8174¹
 1,3 Dioxolan-4-one, 5-ethyl-, 8170¹
 2 Furoic acid, tetrahydro-, 7786¹
 Isobutyric acid, α,β-epoxy-, Me ester, 6246¹
 Valeric acid, α-oxo-, 8270¹
 C₂H₅O₂ Butyric acid, γ methylmercapto-, 7732¹
 C₂H₅O₂ (See also *Glutaric acid*, *Pyrotartaric acid*)
 Malonic acid, Et ester, and K salt, 5607¹
 Methanedol, diacetate, 5269¹
 Succinic acid, Me ester, 6240¹
 C₂H₅O₂ Succinic acid, methylmercapto-, 2108¹
 C₂H₅O₂ Acetic acid, (methylendiothio)-, 5825², ferric salt, 3350¹
 C₂H₅O₂ Tartaric acid, di Me ester, 4199¹
 C₂H₅O₂ Diglycolic acid, methoxy-, Sr salt, 7735¹
 C₂H₅O₂ Acetic acid, (methylendioxy)-, 5825², 5923¹
 C₂H₅O₂ Glutaric acid, α,β,γ-trihydro-, 5363¹
 C₂H₅Br 2 Butene, 1 bromo-3 methyl, 7785¹
 Pentene, bromo-, 4772¹
 C₂H₅Br Ether, 4 bromo-2 butenyl methyl-, 2120¹
 C₂H₅Br Isovaleric acid, α bromo-, 2456¹
 Propionic acid, α bromo-, Et ester, 7785¹
 C₂H₅Cl Butene, chloromethyl-, 3750¹, 3756¹
 Cyclopentanone, chloro-, 1673¹, 7744¹
 Pentene, chloro-, 9739¹, 2197¹, 4972¹
 C₂H₅ClMg Cyclopentylmagnesium chloride, 7743¹
 C₂H₅ClO Pivalyl chloride, 123¹, 3758¹
 Valeryl chloride, 6259¹
 C₂H₅ClO Formic acid, chloro-, butyl ester, 1274¹
 2 Propanone, (2-chloroethoxy), 6243¹
 Propionic acid, α-chloro-, Et ester, 2133¹
 C₂H₅ClO Ethanol, 2-ethoxy, chloroformate, 1274¹
 C₂H₅ClO₂ Lactic acid, chloro ester, chlorosulfonate, 2133¹
 C₂H₅Cl₂ Butane, trichloromethyl-, 4190¹
 C₂H₅ClN₂ Acetaminde, α trichloro-N-propyl-, P 631¹
 C₂H₅NO 2 Propanone, (2 iodoethoxy), 6243¹
 C₂H₅N Pivalonitrile, 3332¹
 Pyroline, 1 methyl-, 981¹
 C₂H₅NO₂ Cyclopentanone, oxime, 4203¹
 C₂H₅NO₂ 2-Oxazoline, 2-thiol, 3,5-dimethyl-, 683¹
 C₂H₅NO₂ (See also *Proline*)
 2 Butene, 2 methyl-3 nitro-, 5504¹
 2 Iodoacetic acid, tetrahydro-, 3750¹
 1 Pentene, 1 nitro-, 1299¹
 C₂H₅NO₂ (See also *Proline*, *Hydroxy-oxime*)
 Carbamic acid, Et ester, 1662¹
 C₂H₅NO₂ Cytidine, N acetyl-, 1794¹, 4106¹
 C₂H₅NO₂ (See *Carbamic acid*)
 C₂H₅NO₂ Glutaric acid, β-hydroxy-, 3561¹
 C₂H₅NO₂ 2 Thiazoline 2-thiol, 5,5-dimethyl-, 5375¹
 C₂H₅N₂ See *Histamine*
 C₂H₅NO₂ Cyclopentylcarboxaldehyde, semicarbazone, 4204¹
 C₂H₅N₂ (See also *Glutamic acid*, *Cyclopentane*, *Leucine*)
 Cyclopentane, dimethyl-, 6233¹, 6719¹
 Dimethylamine, 921¹
 C₂H₅BrNO₂ Carbamic acid, 2 bromomethyl ester, 523¹
 C₂H₅Br₂ Butane, 2,3,4-bromo-, 6731¹
 C₂H₅Br₂ 1,3 Propanediol, 2,2-bis-(bromomethyl)-, 1663¹
 C₂H₅ClNO₂ Acetaminde, α-(2-chloro-N-propyl)-, 7723¹
 C₂H₅Cl₂ Butane, dichloro-2-methyl-, 3755¹, 3756¹
 Pentane, dichloro-, 121¹, 4153¹
 C₂H₅Cl₂HgS₂ 1,2 Dithiole, 4,5-dihydro-4,4-dimethyl, compd with HgCl₂, 1650¹
 C₂H₅Cl₂O Ether, 2-chloroethyl 1-chloropropyl-, 6243¹
 C₂H₅N₂ Pentane, 2,2-disuboro-, 4189¹
 C₂H₅N₂ 2,2-Diaminopropane, 3-phenyl-, and d HCl, 136¹
 2 Imidazoline, 2-ethyl-, 4210¹
 Propionitrile, α-dimethylamino-, 4584¹
 C₂H₅N₂O₂ 2,3 Pentanedione, dioxime, 7640¹
 Urea, butyryl-, 2107¹
 C₂H₅N₂O₂ 2,2-Diethyl-, 2107¹
 C₂H₅N₂O₂ (See also *Glutamine*)
 Glycine, N-(β-aminopropionyl)-, 677¹, 2176¹
 C₂H₅N₂O₂ Butane, 2 methyl 2,3-dinitro-, 5303¹
 C₂H₅N₂O₂ Methanesulfonic acid, allophanol-, Et ester, 4200¹
 C₂H₅N₂O₂ Thioal, 9306¹
 C₂H₅N₂O₂ (See also *Cyclopentanone*, *Isobutyraldehyde*, *Penicillin*, *Penicillin*)
 Butane, epoxymethyl-, 2492¹, 5356¹
 2 Butanone, 3-methyl-, 3233¹, 4259¹, 5340¹
 Butenol, methyl-, 1239¹, 4579¹
 Ether, ethyl isopropenyl-, 2113¹, 9139¹
 —, ethyl propenyl-, 2413¹, 9139¹
 —, methyl 2-methylallyl-, P 3312¹
 Furan, tetrahydro-2 methyl-, 1316¹, 5340¹
 Pentane, 2,3-epoxy-, 1676¹
 Pivalaldehyde, 537¹, 8132¹
 Pyran, tetrahydro-, 4192¹, 7779¹
 Valeraldehyde, 444¹
 C₂H₅OS₂ Butylanthracic acid, salts, 8574¹
 sec-Butylanthracic acid, salts, 8574¹
 Isobutylanthracic acid, salts, 8574¹
 C₂H₅O₂ (See also *Isobutyric acid*, *Valeric acid*)
 Acetic acid, isopropyl ester, 127¹, 132¹, P 9232¹, 9640¹, Pr ester, 231¹, 456¹, 3693¹, 7635¹, 8463¹, 9643¹
 2-Butanone, hydroxymethyl-, 266¹, 7734¹, 7850¹
 Butyric acid, Me ester, 6692¹, 8173¹
 —, α-methyl-, 457¹, 7633¹
 m-Dioxane, P 174¹
 Formic acid, Bu ester, 2453¹, sec-Bu ester, 132¹, isobutyl ester, 2453¹, 3755¹
 Furfuryl alcohol, tetrahydro-, P 997¹, P 7810¹
 Isobutyric acid, Me ester, 3760¹
 2 Pentenoic acid, hydroxy-, 125¹, 8511¹
 Pentenediol, 156¹
 Propionic acid, Et ester, 362¹, 458¹, 6692¹, 7635¹, 8474¹, 8463¹
 C₂H₅O 3 Propionic acid, α (ethylmercapto)-, 4895¹
 C₂H₅O 3,1,2-Dithiolane-4,4-dimethanol, 1650¹
 C₂H₅O₂ Butyric acid, α-hydroxy-, Me ester, 8173¹
 Butyric acid, α-methoxy-, 8174¹
 Carbamic acid, di-Et ester, 4098¹, 42
 623¹, 6692¹, isopropyl, Me ester, 6692¹, Me Pr ester, 6633¹
 Hydrogen peroxide, 1 hydroxycyclopentyl-, 8376¹
 Lactic acid, Et ester, 1523¹, 1662¹
 1669¹, 2312¹, 4200¹
 Methanol, ethoxy-, acetate, 132¹
 2-Propanone, 1,3-dimethoxy-, 2483¹
 C₂H₅O₂ Lysithionine, methyl-, 7733¹
 C₂H₅O₂ Propionic acid, α (ethylsulfonyl)-, 4114¹
 C₂H₅O₂ (See also *Arabinose*, *Ribose*, *Xylose*)
 xylulose, 7853¹
 C₂H₅O₂ 3,1,2-Dithiolane-4,4-dimethanol, 1650¹
 C₂H₅O₂ Thiopyran, tetrahydro-2 methyl-, 5813¹
 C₂H₅O₂ 1,2 Dithiolane, 4,4-dimethyl-, 1650¹
 C₂H₅Br Butane, 1 bromomethyl-, 122¹, 8070¹, 8072¹
 Pentane, bromo-, 6234¹, 7633¹
 Pentane, 1 bromo-2,2-dimethyl-, 6234¹, 6274¹
 C₂H₅BrMg Amyl magnesium bromide, 1259¹
 Isomylmagnesium bromide, 1259¹, 5834¹, 7251¹
 2 Methylbutylmagnesium bromide, 125¹
 C₂H₅Br₂ 1-Butene, 3-bromopropyl ethyl-, 1259¹, 1650¹
 Pentanol, bromo-, 1676¹
 C₂H₅BrO₂ 1,3 Propanediol, 2-(bromomethyl)-2-methyl-, 6601¹
 C₂H₅BrO₂ 1,3 Propanediol, 2-(bromomethyl)-2-(hydroxymethyl)-, 1660¹, 9234¹
 C₂H₅Cl (See also *Penicillin*, *chloro-*)
 Butane, chloromethyl-, 122¹, 1233¹, 3755¹, 4189¹
 Propane, 1-chloro-2,2-dimethyl-, 6233¹
 C₂H₅ClHg₂ 2,2-Dimethylpropylmercury chloride, 6234¹
 C₂H₅ClHgS₂ Amylmercaptomercury chloride, 1263¹
 C₂H₅ClMg 2,2-Dimethylpropylmagnesium chloride, 6233¹
 Isoamylmagnesium chloride, 5594¹
 C₂H₅ClO Ether, 3-chloroisobutyl methyl-, P 3312¹
 Pentanol, chloro-, 7727¹
 C₂H₅DO Amyl alcohol, 4,570¹
 C₂H₅But Butane, isodimethyl-, 122¹, 4129¹
 Pentane, 1-iodo-, 2,2-dimethyl-, 6234¹, 6237¹, 6279¹
 C₂H₅IMg Isoamylmagnesium iodide, 5504¹
 C₂H₅IN₂ (Cyanomethyl)dimethylammonium iodide, 4584¹
 C₂H₅IO₂ 1,3 Propanediol, 2-(hydroxymethyl)-2-(iodomethyl)-, 9234¹
 C₂H₅IS₂ Trithiane, ethiodide, 4192¹
 C₂H₅IS₂ (See also *Piperidine*)
 Methylamine, α-butylidene-, 8115¹
 —, N isobutylidene-, 8118¹
 Pyroline, methyl-, 579¹, 954¹, 5843¹, 9307¹
 C₂H₅NO Acetaminde, N-propyl-, 8117¹
 2 Butanone, 3 methyl-, oxime, 9140¹
 Pentanone, oxime, 3694¹, 9140¹
 Valeraldehyde, 3332¹
 Valeramide, 450¹, 8117¹
 C₂H₅NO₂ (See also *Amyl nitrite*, *Betaine*, *Valine*)
 Alanine, Et ester, 9255¹
 β-Alanine, Et ester, HCl, 605¹
 Butane, methylsulfonyl-, 4959¹
 2 Butanone, 3 hydroxy-3 methyl-, oxime, 7734¹
 Butylaldehyde, α hydroxy-α methyl-, oxime, 773¹
 Carbamic acid, Bu ester, 8117¹, isobutyl ester, 8117¹
 Norvaline, 2307¹
 C₂H₅NO₂ See *Methionine*
 C₂H₅NO₂ Butanol, methylmethoxy-, P 176¹, P 179¹, P 180¹
 Carbamic acid, 2-ethoxyethyl ester, 2053¹
 Ethanol, 2-ethoxy-, carbamate, 1274¹
 C₂H₅NO₂ Butyric acid, α-amino-γ (methylsulfonyl)-, 1771¹, 4193¹, 3359¹
 C₂H₅NO₂ Carbamic acid, oxime, 7733¹
 C₂H₅NS₂ Carbamic acid, diethylthio-, α salt, 5025¹
 C₂H₅N₂ Guanidine, 1-allyl-1-methyl-, salt, 1671¹
 C₂H₅N₂ 2-Butanone, 3 hydroxy-, semicarbazone, 4204¹
 C₂H₅NO₂ Butyric acid, (guanido-), 534¹
 C₂H₅ (See also *Betaine*, 2 methyl-, *Penicillin*)
 Propane, 2,2-dimethyl-, 4507¹, 6233¹, 6276¹, 9099¹
 C₂H₅BrN₂ Amylamine, 5-bromo-, 1200¹
 Butylamine, N-bromo-γ-methyl-, 579¹
 C₂H₅ClN₂ Amylamine, 5-chloro-, 1200¹
 Butylamine, N-chloro-γ-methyl-, 579¹
 C₂H₅ClNO₂ Neurine, perchlorate, 9359¹
 C₂H₅ClHgS₂ Sulfide, butyl methyl, compd with HgCl₂, 1263¹
 C₂H₅IN₂ Isomylamine, 5-iodo-, 1200¹
 C₂H₅N₂O₂ Propionamide, α (2 aminoethyl)-, 4210¹
 Urea, diethyl-, 8117¹
 C₂H₅NO₂ (See also *Oxalazine*)
 Carbamic acid, (2 aminoethyl)-, Et ester, P 6529¹
 C₂H₅NO₂ See *Conazamine*
 C₂H₅O₂ (See also *Amyl alcohol*, *Isomyl alcohol*, *Penicillin*, 1 Propanol, 2,2-dimethyl-, 122¹, 121¹, 1263¹, 5362¹)
 Ether, tert butyl methyl, 6727¹
 —, ethyl isopropyl-, 6632¹
 C₂H₅O₂ 1,3 Propanediol, 2 methyl-, 1295¹
 Methane, diisopropyl-, 231, 130¹
 1,3-Pentandiol, P 997¹
 C₂H₅O₂ 1,3 Propanediol, 2,2-dimethyl-, P 997¹
 C₂H₅O₂ 1,3 Propanediol, 2,2-bis-(mercaptomethyl)-, 1663¹
 C₂H₅O₂ 1 thianol, 2 (2 methoxyethyl)-, 4259¹
 2 Propanol, 1,3-dimethoxy-, 2155¹

- C₆H₆O₄ (See also *Pentacythritol*)
Orthocarbonic acid, tetra-*Me* ester, 481¹
- C₆H₆O₄ Adonitol, 2106¹, 2486¹
Arabitol, 2106¹, 5444¹
Xylitol, 5795¹
- C₆H₆O₄S₂ 1,3 Propanedisulfonic acid, 2,2-bis(hydroxymethyl)-, and *salts*, 1650¹
- C₆H₆S₂ 2-Butanethiol, 2 methyl, 1659¹
1-Pentanethiol, 4191¹, 6025¹
sulfide, butyl methyl, 1265¹
C₆H₆S₂ 1,3 Propanedithiol, 2,2 dimethyl, 1680¹
- C₆H₆BrClNO₂ (2 - Bromoethyl)trimethyl ammonium perchlorate, 5359¹
- C₆H₆ClNO₂ Choline, perchlorate nitrate, 5359¹
- C₆H₆Cl₂NO₂ (2 - Chloroethyl)trimethyl ammonium perchlorate, 5359¹
- C₆H₆N (See also *Amylamine*)
Isoamyamine, 3694¹, 5804¹, 7835¹
compd with *NH*SO₃H, 4543¹
Propylamine, dimethyl, and -*HCl*, 5804¹, -*HCl*, 537¹
- C₆H₆N₂O (See also *Nerine*)
Butanol, amipomethyl, P 2140¹, 5804¹
1-Pentanol, 2 amino-, P 2140¹
- C₆H₆N₂O₂ 1,2 - Propanediol, 3 - dimethyl amino-, P 3818¹
- C₆H₆N₂O₃ Choline, cyclic sulfate, 5359¹
- C₆H₆N₂S₂ 2-Propanedisulfamide, *N*,2 - di methyl, 4959¹
- C₆H₆N₂ Azetidine, 3,3 bis(amipomethyl), and *tri*-*HCl*, 135¹
- C₆H₆N₂O₂ Urea, (2-dimethylaminoethyl), 3204¹
- C₆H₆CINO Choline, chloride, 8295¹
- C₆H₆CINO Choline, perchlorate, 5359¹
- C₆H₆CIN₂ 1,3 - Propanediamine, 2 - (amipomethyl) - 2 - (chloromethyl), and *tri*-*HCl*, 135¹
- C₆H₆Cl₂N₂OP₂ 7690¹
C₆H₆Cl₂N₂OP₂ 7690¹
C₆H₆Cl₂N₂OP₂ 7690¹
C₆H₆Cl₂N₂OP₂ 7690¹
C₆H₆Cl₂N₂OP₂ 7690¹
C₆H₆N₂ 2,3 - Butanediamine, 2 - methyl, 5803¹
Cadaverine, 8066¹, 8674¹, *di*-*HCl*, 4269¹
Hydrazine, 1 butyl 2 methyl, -*HCl*, 537¹
- C₆H₆N₂O 2 Butanol, 1-hydrazino-2 methyl, 5356¹
- C₆H₆N₂ Azmatine, 2545¹
- C₆H₆N₂O₂ See *Choline*
- C₆H₆N₂O 1-Propanol, 3 amino-2,2 bis(amipomethyl)-, and *salts*, 135¹
- C₆H₆N₂ Bonne, dimethyl-, compd with *Me*₂N, 4960¹
- C₆H₆Cl₂N₂RbS₂ 9181¹
- C₆H₆NO₂P₂ Choline, phosphate, 7897¹
- C₆H₆N₂ 1,3 Propanediamine, 2,2 bis(amipomethyl)-, and *salts*, 135¹
- C₆K₂Mo₂OS₂, 37¹
- C₆ON₂ + 8H₂O See *Sharpie*
- C₆Ag₂Co₂ Silver cobalticyanide, 9193¹
- C₆Ag₂Fe₂ Silver ferrocyanide, 915¹
- C₆Al₂Fe₂ Aluminum potassium ferrocyanide, 4152¹
- C₆As₂Cu₂Fe₂ Barium copper ferrocyanide, 4152¹
- C₆As₂Fe₂ Barium potassium ferrocyanide, 4152¹
- C₆As₂Fe₂ Barium ferrocyanide, 1574¹, 4152¹
- C₆Br₂O₂ Quinone, tetrabromo-, 4520¹
- C₆Br₂Cl₂ Benzene, pentabromochloro-, 3341¹
- C₆Br₂ Benzene, hexabromo-, 3341¹, 6523¹
- C₆Ca₂Fe₂N₂ Calcium copper ferrocyanide, 4152¹
- C₆Ca₂Fe₂N₂ Calcium potassium ferrocyanide, 4152¹
- C₆Ca₂Fe₂N₂ Calcium ferrocyanide, 4152¹, 5728¹
- C₆Cd₂Fe₂N₂ Cadmium potassium ferrocyanide, 4152¹, 6122¹, 8139¹
- C₆Cd₂Fe₂N₂ Cadmium rubidium ferrocyanide, 8139¹
- C₆Cd₂Fe₂N₂ Cadmium ferrocyanide, 915¹, 4152¹
- C₆Cl₂Fe₂ Cerium cobalticyanide, 5766¹
- C₆Cl₂O₂ Quinone, tetrachloro-, 4520¹, 6265¹
- C₆Cl₂NaO₂ heol, pentachloro-, *Na* deriv, 3202¹, 4317¹
- C₆Cl₂ Benzene, hexachloro-, 4504¹
- C₆Co₂Fe₂N₂ Cobalt copper ferrocyanide, 4152¹
- C₆Co₂La₂N₂ Lanthanum cobalticyanide, 5766¹
- C₆Co₂Nd₂ Neodymium cobalticyanide, 5766¹
- C₆Co₂N₂Pr₂ Praseodymium cobalticyanide, 5766¹
- C₆Co₂N₂Sm₂ Samarium cobalticyanide, 5766¹
- C₆Co₂N₂Y₂ Yttrium cobalticyanide, 5766¹
- C₆Co₂N₂Y₂ Ytterbium cobalticyanide, 5766¹
- C₆Cr₂Fe₂N₂ Cobalt ferrocyanide, 915¹, 4152¹
- C₆Cr₂O₂ Chromium carbonyl, 1565¹
- C₆Cr₂Fe₂N₂ Copper mercury ferrocyanide, 4152¹
- C₆Cu₂Fe₂N₂ Copper magnesium ferrocyanide, 4152¹
- C₆Cu₂Fe₂N₂ Copper nickel ferrocyanide, 4152¹
- C₆Cu₂Fe₂N₂ Copper strontium ferrocyanide, 4152¹
- C₆Cu₂Fe₂N₂Zn₂ Copper zinc ferrocyanide, 4152¹
- C₆Cu₂Fe₂N₂ See *Copper ferrocyanide*
- C₆D₂ See *Benzene d₂*
- C₆Fe₂K₂N₂Zn₂ Potassium zinc ferrocyanide, 6122¹
- C₆Fe₂K₂N₂ See *Potassium ferrocyanide*
- C₆Fe₂N₂ See *Potassium ferrocyanide*
- C₆Fe₂N₂ See *Potassium ferrocyanide*, 915¹
- C₆Fe₂N₂Na₂ See *Sodium ferrocyanide*
- C₆Fe₂N₂Ni₂ Nickel ferrocyanide, 915¹, 4152¹
- C₆Fe₂N₂Pb₂ Lead ferrocyanide, 915¹, 4152¹
- C₆Fe₂N₂Si₂ See *Zinc ferrocyanide*
- C₆Fe₂N₂Si₂ Iron potassium ferrocyanide, 4152¹
- C₆Fe₂N₂ Iron ferrocyanide, 1567¹
- C₆Fe₂N₂ Iron ferrocyanide, 1202¹, 4152¹
- C₆HCIN₂O₂ 2,5 - Pyrolydicarboxylic azide, 3,4 dichloro-, 2900¹
- C₆HCIN₂O₂ Benzene, 2,3,4 trichloro-1,5 dinitro-, 6267¹
- C₆HCl₂ Benzene, pentachloro-, 4504¹
- C₆HCl₂O Phenol, pentachloro-, 341¹
- C₆HD₂ Benzene d₂, 3263¹, 8065¹
- C₆HCIN₂O₂ Benzene, 1,5 dibromo-2,3 dinitro-, 5376¹
- C₆HBr₂O₂ Pyrocatechol, tetrabromo-, 35¹
- C₆HBr₂O₂ 2,5 Hexanedione, octabromo-, 1660¹
- C₆HCIN₂ Benzene, chlorotriazo-, 1199¹
- C₆HCIN₂O₂ See *Pyridyl chloride*
- C₆HCIN₂O₂ Benzene, dichlorodinitro-, 1286¹, 1326¹, 5375¹, 5376¹
- C₆HCIN₂O₂ Quinone, 2,5 dichloro-, 444¹
- C₆HCIN₂O₂ Benzene, tetrachloro-, 4504¹
- C₆HCIN₂O₂ 2,4,6 - Trichlorophenylmercury chloride, 2900¹
- C₆HCIN₂O₂ Phenol, tetrachloro-, 341¹
- C₆HD₂ Benzene d₂, 3263¹, 8065¹
- C₆HCIN₂O₂ Benzene, 1,2,3 trinitro-5 nitro-, 5374¹
- C₆HCIN₂O₂ Picric acid, *Na* deriv, 8475¹
- C₆HCIN₂O₂ Benzoxadiazole, 5,7-dinitro-, P 5869¹
- C₆HCIN₂O₂ Pyrazolol[2,1]pyrazole-1,2,3,5-tetra-2,6 dioxime, 7298¹
- C₆HCIN₂O₂ Hydroquinone, tetrakis(triazole), 7280¹
- C₆H₂O₂ See *Rhodionic acid*
- C₆Ag₂N₂O₂Si₂ + 3H₂O 4,5-Thiazolodione, 2,3 - dihydro - 2 - imino - 5 - oxime, Ag complex, 7230¹
- C₆As₂Br₂Cl₂O₂ 2-Arsenoso-5-bromophenyl mercury chloride, 157¹
- C₆As₂Cl₂H₂O₂ 2-Arsenoso-5-chlorophenyl mercury chloride, 157¹
- C₆As₂Cl₂O₂ Benzene, 1-arsenoso-2,4-dichloro-, 157¹
- C₆As₂Cl₂Ar₂Ar₂ dichloro(dichlorophenyl), 157¹
- C₆H₂Cl₂FN₂O₂ 3-Chloro-5-nitrobenzene diazonium fluoroborate, 153¹
- C₆H₂Cl₂FN₂O₂ 3,5-Dichlorobenzenediazonium fluoroborate, 153¹
- C₆H₂Br₂O₂ Benzene, 1-bromo-2,4-dinitro-, 1286¹
- C₆H₂Br₂N₂O₂ Benzene, 1-bromo-2,4-dinitro-, 4 bromo-2 nitro-, 4971¹
- C₆H₂Br₂N₂O₂ Benzazimidol, 4,6-dibromo-, 8013¹
- C₆H₂Br₂O₂ Phenol, tnbromo-, P 9322¹
- C₆H₂Br₂O₂ Pyrocatechol, 3,4,6 tnbromo-, 6267¹
- C₆HCIN₂O₂ Benzene, 1-chloro-3 fluoro-5 nitro-, 153¹
- C₆HCIN₂O₂ See *Benzene, chlorodinitro-*
- C₆HCIN₂O₂ Benzazimidol, 6-chloro-4 nitro-, 8013¹
- C₆HCIN₂O₂ Quinone, chloro-, 4520¹
- C₆HCIN₂O₂ Benzene, 1,5-dichloro-5 fluoro-, 153¹
- C₆HCIN₂O₂ 3,4 Isoxazolidinecarboxyl chloride, 5-methyl-, 8612¹
- Phenol, dichloronitro-, 3556¹
- 2-Pyrollecarboxylic acid, 3,4-dichloro-5-formyl-, 2900¹
- C₆H₂Cl₂N₂O₂ 2,5 Pyrolydicarboxylic acid, 3,4 dichloro-, 2900¹
- C₆HCIN₂O₂ Benzazimidol, 4,6-dichloro-, 8613¹
- C₆H₂Cl₂ See *Benzene, trichloro-*
- C₆HCIN₂O₂ Dichlorophenylmercury chloride, 157¹
- C₆H₂Co₂Na₂ Cobalticyanamide, 2059¹
- C₆H₂Cr₂Na₂ Cyanochromic(III) acid, 2059¹
- C₆H₂D₂ Benzene d₂, 3263¹, 3675¹, 8065¹
- C₆H₂Fe₂N₂ Ferrocyanic acid, 2059¹
- C₆HCIN₂O₂ Benzene, 1 idodo 2,4 dinitro-, 1293¹
- C₆H₂N₂O₂ 2 Thiophenecarbonyl cyanide, 8196¹
- C₆HCIN₂O₂ See *Benzene, trinitro-*
- C₆HCIN₂O₂ See *Para acid*
- C₆HCIN₂O₂ See *Syphic acid*
- C₆H₂Ag₂N₂O₂ 4,5 - Thiazolodione, 2,3-dihydro 2 imino-, 5-oxime, Ag complex, 7230¹
- C₆H₂As₂Br₂ Benzene, 1-arsenoso-4 bromo-, 157¹
- C₆H₂As₂Cl₂ Benzene, arsenosulphoro-, 157¹
- C₆H₂As₂Cl₂O₂ Benzenesulfonyl chloride, *p*-dichloroaryl-, 7751¹
- C₆H₂As₂Cl₂Ar₂Ar₂ *p*-phenylenebis(dichloro-), 537¹
- C₆H₂Br₂FN₂O₂ *m* - Bromobenzenediazonium fluoroborate, 1683¹
- C₆H₂Br₂FN₂O₂ *m* - Iodobenzenediazonium fluoroborate, 1683¹
- C₆H₂Br₂FN₂O₂ Nitrobenzenediazonium fluoroborate, 5374¹
- C₆H₂Br₂Cl₂ Benzene, 1 bromo-4 chloro-, 9138¹
- C₆H₂Br₂Cl₂ Bromophenylmercury chloride, 157¹
- C₆H₂Br₂Cl₂ Chlorophenylmagnesium bromide, 157¹, 5823¹
- C₆H₂Br₂O₂ Benzene, bromonitro-, 5581¹, 7774¹
- C₆H₂Br₂O₂ Phenol, bromonitro-, 3063¹
- C₆H₂Br₂ See *Benzene, dibromo-*
- C₆H₂Br₂O₂ Pyrocatechol, 3,6-dibromo-, 6267¹
- C₆H₂Br₂O₂ 2 - Thiophenecarboxylic acid, 3,6-dibromo-4-methyl-, 582¹
- C₆H₂Br₂O₂ Benzenesulfonic acid, dibromo-, *P*-*sal*, 3690¹
- C₆HCIN₂O₂ Fluorophenylmercury chloride, 1681¹
- C₆HCIN₂O₂ Benzene, 1-chloro-4-nitroso-, 2113¹
- C₆HCIN₂O₂ (See also *Benzene, chloronitro-*)
Nicotinic acid, chloro-, P 3397¹
- C₆HCIN₂O₂ Benzenesulfonyl chloride, 2 nitro-, 5857¹
- C₆HCIN₂O₂ Phenol, chloronitro-, 3663¹
- C₆HCIN₂O₂ Benzenesulfonyl chloride, *p*-nitro-, 8183¹
- C₆HCIN₂O₂ Benzenesulfonic acid, 2-chloro-5 nitro-, *A*-*sal*, 6299¹
- C₆HCIN₂O₂ *p*-Nitrobenzenediazonium chloride, 1283¹
- C₆HCIN₂O₂ Benzene, 1-chloro-3 stuboso-, 3347¹
- C₆HCIN₂O₂ Benzene, dichloro
- C₆HCIN₂O₂ Chlorophenylmercury chloride, 1683¹
- C₆HCIN₂O₂ Phenol, 2,4 bis(chloromercur-), 8927¹
- C₆HCIN₂O₂ Phenol, 2,4-dichloro-, 7661¹
- C₆HCIN₂O₂ Benzenesulfonyl chloride, *p*-chloro-, 6262¹
- 2 Thiophenecarboxylic acid, 4,5 - di-chloro-3 methyl-, 537¹
- C₆HCIN₂O₂ Thiophenecarboxylic acid, 4,5-dichloro-3 - (hydroxymethyl) -, 582¹
- C₆HCIN₂O₂ 2 Picoline, *a* trichloro-, 6311¹
- C₆HCIN₂O₂ Phenol, 4-nitro-, 2892¹
- C₆HD₂ Benzene d₂, 3263¹, 8065¹
- C₆HD₂O₂ Resorcinol d₂, 4103¹, 4156¹
- C₆HCIN₂O₂ Benzene, fluoronitro-, 5581¹
- C₆HCIN₂O₂ Phenol, fluoronitro-, 3663¹
- C₆HCIN₂O₂ Benzene, mononitro-, 5581¹, 7774¹
- C₆HCIN₂O₂ Benzene, 1 idoso 3 nitro-, 151¹
- 1 idolo, idonitro-, 3663¹
- C₆H₂ Benzene, *p*-duo-, 9135¹
- C₆HCIN₂O₂ Hydroquinone dudo-, 8013¹
- C₆HCIN₂O₂ 1,2,5,6,10 Hexazacyclododeca-2,6,10 triene 4,8,12 trione, di-*k* deriv, 6216¹
- C₆HCIN₂O₂ Benzofuran, 7634¹
- C₆HCIN₂O₂ Benzofuran, oxide, 7631¹
- C₆HCIN₂O₂ (See also *Benzene, dinitro-*)
2,3 - Pyrazinedicarboxylic acid, 7853¹
- C₆HCIN₂O₂ See *Phenol, dinitro-*
- C₆HCIN₂O₂ Lithalozol, 5347¹, 8612¹
- C₆HCIN₂O₂ Picramide, 7664¹
- C₆H₂O₂ See *Quinone*

C.H.3 Benzeneethiol, 163²
C.H. ASNAO, See *Alcoyl*
C.H. ASO, Benzenearsonic acid, β hydroxy-, 1820², 6253³
C.H. ASO, Benzenearsonic acid, sulfo-, 7730²
C.H. BClN Aniline, compd. with RCl, 6260²
C.H. BrNO, Sb Benzenesulbionic acid, 3-amino-4-bromo-, 1239²
C.H. Br, Benzamide, 4,6-dibromo-, hydrazine salt, 5813²
C.H. Cl1, 3-Cyclohexadiene, 2-chloro-, 4190²
C.H. ClN, Hexadecane, (p -chlorophenyl)-, 543²
C.H. Cl, Phenylendiamine, 2-chloro-, 7750²
C.H. ClN OS 3- Pyridinesulfonamide, 6-chloro-4 methyl, 5616²
C.H. ClN O, Barbituric acid, 5-chloro-3-ethyl-, 140²
C.H. ClN O, Benzimidazole, 6-chloro-4-methyl-, hydrazine salt, 5613²
C.H. ClO, 1-Cyclopentene-1-carboxyl chloride, 3738²
C.H. ClN O, Benzimidazole, 4,6-dichloro-, hydrazine salt, 5612²
C.H. ClO, 2,3-Dichloro-4-carboxylic acid, 3,4-dichloro-4-hydrate, 2908²
C.H. ClO Pb, 935²
C.H. FN, m-Phenylendiamine, 5-fluoro-, di-HCl, 153²
C.H. I, Thiophene, 3-iodo-2,5-dimethyl-, 531²
C.H. KNO, S Thiazole, 2-acetamido-1-methyl-, K deriv., 7753²
C.H. N See *Amide*, *Picoline*
C.H. NO See also *Phenol*, *amino*-Hydroxylamine, α -phenyl-, 343², 6170², 9300²
Ketone, methyl-2-pyrryl-, 5394²
3-Pyridol, 6-methyl-, 5397²
3-Pyridone, 1-methyl-, 2505²
3-Pyridolecarboxaldehyde, 1-methyl-, 9320²
C.H. NOS Ketone, aminoethyl 2-thienyl-, -HCl, 1893²
C.H. NO, 12 Cyclobutanedicarboximide, 619²
Ketone, methyl-5-methyl-3-isoxazolyl-, 5612²
C.H. NO 3 Ketone, 2 hydroxy-4-methyl-3-isoxazolyl methyl-, 7753²
Pyridone, 4 (methyl-balloyl)-, 6314²
5-Thiazolecarboxylic acid, 2,4-dimethyl-, 603²
C.H. NO, 2 Furoic acid, 3-(aminomethyl)-, 507²
4-Isotiazolecarboxylic acid, 3,5-dimethyl-, 601²
C.H. NO, S (See also *Sulfonic acid*)
1-Phenol-4 sulfonamide, 2990², 5375²
C.H. NS Ketone, 4-methylmercapto-, and RCl, 6311²
C.H. NO, 2 Pyranecarboxamide, 1-methyl-, P 4271²
Pyridine, 2-amino-4-methyl-, 98²
5-Pyrimidinecarboxaldehyde, 4-amino-2-methyl-, and salts, 1735²
C.H. NO, Hydrazine, (p antiphenyl)-, 4213²
C.H. NO, S, 3,5-dithio-, di Ac deriv., 599²
C.H. NO, 3,4-Isotiazolecarboxamide, 5-methyl-, 5621²
1-Propanedione, 1 (4-methyl-3-furazanyl) isomer, 5612²
C.H. NO, S Sulfanilamide, 3 nitro-, 5375²
C.H. OS, Benzenesulbionic acid, β -hydroxy-, 1282²
C.H. (See also *Cyclohexene*)
1,3,3-Hexatriene, 5-03²
C.H. ASNO, See *Arsonic acid*
C.H. ASNO, Arsonic acid hydroxy-, 3973²
Benzenearsonic acid, aminoethoxy-, P 3975²
C.H. ASNO, Benzenearsonic acid, β sul-
fide-, and 4,12, 7750²
C.H. BCl, 1-bromo-3-chloro-3-methyl-, 4111²
C.H. BrNO, S Thiazolol 5 (2-bromoethyl)-methyl-, P 2285²
C.H. BrN, 2-Pyridone, 4-amino-5-(bromoethyl)-2-methyl-, 2,2-P, P 3531², 4613²
C.H. Br, Cyclohexene, 1,6-dibromo-, P 572²
C.H. Br, Cyclohexene, 1,2,3,5-tetrabromo-, 571²
C.H. ClNS Thiazole, 5 (2-chloroethyl)-4-phenyl-, P 814², P 313², HCl, P 176²
C.H. ClNS Acetonitrile, (chloroethylmethyl)-

C.H.CI.O.S. Benzothiazole acid, 3,5-bis(chloro-sulfonyl), P 3396¹
C.H.Cl.Cy. Cyclohexene, pentachloro(trichloro-methyl), 1231¹
C.H.F.NO. Toluene, α -trifluoro-*m*-nitro-, 6271¹
C.H.N.N.O.S. Saccharin, Na deriv, 1621¹
C.H.N.Ti. Benzothiazole, 2 mercapto-, Ti deriv, 9201¹
C.H.N.O. Benzoitrile, nitro-, 1726¹, 4973¹
C.H.N.O.S. Se Selenocyanic acid, nitrophenyl ester, 154¹
C.H.N.O. Isocyanic acid, α -nitrophenyl ester, 58¹
C.H.N.O. See Benzonic acid, dinitro-
C.H.N.O. Benzoyl azide, nitro-, 540¹, 6740¹
C.H.O. Meconic acid, 7960¹
C.H.Br.O. Dermatol, 171¹
C.H.Br.Cl.O. Benzamide, 3-bromo-4-chloro-, P 5004¹
C.H.Br.Cl. Toluene, α -bromo- α , α -dichloro-, 1521¹
C.H.Br.Cl.O.S. 2-Thiophenecarboxylic acid, 3 (bromomethyl)-4,5-dichloro-, Me ester, 532¹
C.H.Br.FNO. Benzamide, 3 bromo-1-fluoro-, P 5004¹
C.H.Br.NO. Benzamide, 3 bromo-4-iodo-, P 5004¹
C.H.Br.N.O. Toluene, α bromo-3,5-dinitro-, 3794¹
C.H.Br.O. Benzaldehyde, *m* bromo-, 167¹
Benzoyl bromide, 3347¹, 5269¹
C.H.Br.O. Benzoic acid, bromo-, 5730¹, *argaly salt*, 2453¹
C.H.Br.Cl. Toluene, α , α -dibromo- α -chloro-, 1521¹
C.H.Br.N.O. Benzamide, 3,4-dibromo-, P 5004¹
C.H.Br.N.O. Toluene, α , α -dibromo-*p*-nitro-, 3794¹
C.H.Br.N.O. Benzoic acid, 4,6-dibromo-1-methoxy-, 8613¹
Benzoic acid, 5,7-dibromo-1-methyl-, 3-iodo-, 8613¹
C.H.Br.Ti. Toluene, α tribromo-, 1521¹
C.H.Cl.O. Benzamide, 4-chloro-3-iodo-, P 5004¹
C.H.Cl.N.O. Benzenediazohydroxide, (chloro-formyl), 5414¹
C.H.Cl.N.O.S. 1-Isobenzyl-1,2,3-dithiazole, 1-chloro-2-methoxy-4-iodo-, 7343¹
C.H.Cl.N.O. Anthranic acid, 5-chloro-3-nitro-, 4994¹
Toluene, 5-chloro-2,4-dinitro-, 1236¹
C.H.Cl.N.O. 2,5-Pyrolidinedicarboxamide, 3-chloro-2-cyano-, 1830¹
C.H.Cl.O. See Benzaldehyde, chloro-, Benzoyl chloride
C.H.Cl.O. See Benzoic acid, chloro-
C.H.Cl.O.S. Benzoic acid, 5-chloro-2-mercapto-, 727¹
C.H.Cl.O. Salicylic acid, chloro-, 8181¹, *and salt*, 2123¹
C.H.Cl.O.S. Benzoic acid, 4-(chlorosulfonyl)-*p*-tol-, 6277¹
C.H.Cl.O. Benzoic acid, *p*-iodo-, dichloride, 8181¹
C.H.Cl.N. Benzyldeneamine, dichloro-, 5523¹
C.H.Cl.N.O. Salicylamide, 3,5-dichloro-, 7704¹
C.H.Cl.N.O. Benzoic acid, 4,6-dichloro-1-methoxy-, 8613¹
Benzoic acid, 5,7-dichloro-1-methyl-, 3-iodo-, 8613¹
C.H.Cl.N.O. Aniline, 2,4-dichloro-*N*-methyl-, 1,6-dinitro-, 3341¹
C.H.Cl. See Toluene, trichloro-
C.H.Cl.Cy. Cyclohexene, 1,2,3,4,5,6-hexachloro-1 (trichloromethyl), 1239¹, 1251¹
C.H.I.O. Benzaldehyde-*d*, *and compd*
C.H.I.O. *See H.S.O.*, 1271¹
C.H.D.O. Benzoic acid, 4,4450¹
C.H.F.O. Benzoyl fluoride, 3347¹
C.H.F.O. Salicylic acid, 5-fluoro-, 8593¹
C.H.F.O. Toluene, α -trifluoro-, 6271¹
C.H.F.O.S. Toluene-sulfonic acid, α -trifluoro-, P 5004¹
C.H.H.O. Toluene, 5-iodo-2,4-dinitro-, 1236¹
C.H.H.O. Benzoyl iodide, 3347¹
C.H.H.O. Benzoic acid, iodo-, 5730¹, *and ammonium salt*, 3371¹
C.H.N. *See Benzamide*
C.H.N.O. Isocyanic acid, Ph ester, 6262¹, *and salt*, 6262¹
C.H.N.O.P.S. Benzothiazole, 2 mercapto-, Ti deriv, 9201¹
C.H.N.O.S. Benzoisothiazol, 1315¹, 4213¹
Benzol-, *p*-thiopyran-, 8181¹

- C₇H₉LiO** Lithium, (*p*-methoxyphenyl), 1683¹, 3772¹
- C₇H₉NO** (See also *Benzamide*)
Benzaldehyde, oxime, 9140¹
Nitrene, phenyl, 543¹
Toluene, nitroso, 2113¹
- C₇H₉NOS** Hydroxylamine, *O*-thiobenzoyl, 1720¹
- C₇H₉NO₂** (See also *Anthrassic acid*, *Benzic acid*, *amino*, *Toluene, nitro*.)
Anisole, *p*-nitroso, 2420¹
Benzamide, hydrazide, 7760¹
Benzohydroxamic acid, and *K* salt, 5370¹
Formaldehyde, hydrate, 6290¹
2,4-Hexadienoic acid, 2 cyano, *P* 6477¹, *P* 7435¹
Isocitonic acid, *Me* ester, 7301¹
Nitrosic acid, 2 methyl, and -*HCl*, 4245¹
Nitrene, (*p*-hydroxyphenyl), 543¹
Salicylaldehyde, oxime, 4524¹, 5028¹
Salicylamide, 5342¹, 7770¹
Thionellone, 5274¹, 7684¹, 2604¹, 2605¹, 4692¹, 5272¹
- C₇H₉NO₃** Acetic acid, (4-pyridylmercapto-), and *Na* salt, 5314¹
- C₇H₉NO₄** Anisole, nitro-, 4588¹, 5372¹, 8502¹
Croton, nitro-, *P* 13467¹, 4581¹, 6110¹
7-Resorcyldaldehyde, oxime, 4973¹
β-Resorcyldaldehyde, 138¹
- C₇H₉NO₅** Glycine, *N* 2 furoyl, 657¹
Guaiacol, 4 nitro-, 1701¹, 9302¹
- C₇H₉NO₆** Formamide, thio, *P* 3531¹
- C₇H₉NaO₃** Benzeneethiol, 2 amino-5-methoxy-3 nitro-, *Na* deriv, 7782¹
- C₇H₉N₂** 3 Imidazo[*c*]pyridine, 2 methyl, and -*HCl*, 985¹
- C₇H₉N₂O** Benzamido, 5 methyl, 3770¹
Formamide, *o*-phenylazo-, 543¹
- C₇H₉N₂O₂** 1-Formaldehyde, nitro-, phenyl hydrazine, 120¹
Formamide, phenylazo-, 544¹, 545¹
- C₇H₉N₂O₃** 2-Selenophenylglyoxylic acid, semicarbazone, 6301¹
- C₇H₉N₂O₄** 2-Pyridol, 6-amino-5-nitro-, mono *Ac* deriv, 4248¹
β-Toluidine, 2,6-dinitro-, 6811¹
- C₇H₉NaO₄** Theobromine, *Na* deriv, 484¹
- C₇H₉NaO** Sodium benzyloxide, 1203¹
Et (See also *Toluene*)
- C₇H₉AlBr₂** Toluene, compts with *AlBr₃*, 6267¹
- C₇H₉AsClO₄** *p*-Toluenearsonic acid, *o*-chloro-, 8584¹
- C₇H₉AsNO₃** Arsine, dihydroxy(5-nitro-*o*-tolyl), 157¹
- C₇H₉AsNO₄** *o*-Toluenearsonic acid, 5 nitro-, 57¹
- C₇H₉BBrO₃** *p*-Tolueneboric acid, 2 bromo-, 4970¹
- C₇H₉BClO₃** Tolueneboronic acid, chloro-, 4970¹
- C₇H₉BrN₂** Guanidine, (*p*-bromophenyl), and salt, 535¹
- C₇H₉BrN₂O** Hydrazine, 1-(4-bromo-2-nitrophenyl) 1 methyl, 5375¹
- C₇H₉BrHgTe** Telluride, methyl phenyl, compts with *HgBr₂*, 5386¹
- C₇H₉BrO₂** 2-Cyclopentenolone, 2,3-dibromo-4,4-dimethyl, 7743¹, 8173¹
- C₇H₉ClNO₃** Amine, 2-chloro-4 (methyl sulfonyl)-, *P* 1729¹
- β-Toluenesulfonamide, 3-chloro-, 5852¹
- C₇H₉ClNO₃** 4-Pyrimidinocarbamic acid, 1-chloro-, 4 nitro-, *Et* ester, 6853¹
- C₇H₉ClNO₄** Hydrazine, 1-(4-chloro-2-nitrophenyl)-1 methyl, 5375¹
- C₇H₉ClO₃S** *p*-Toluenesulfonic acid, 2-chloro-, 1280¹
- C₇H₉ClHgTe** Telluride, methyl phenyl, compts with *HgCl₂*, 5386¹
- C₇H₉ClN₂** Pyrimidine, 2,4-dichloro-5-ethyl-6 methyl, 1737¹
- C₇H₉ClO₃S** 2-Thiophenecarboxylic acid, 3-methyl, *Me* ester, 582¹
- C₇H₉IN₂** Guanidine, (*p*-iodophenyl), and salt, 538¹
- C₇H₉IO₃S** Benzoic acid, 3-amino-5-stibono-, 1289¹
- C₇H₉IN₂** Benzaldehyde, hydrazine, 622¹
Et ester, 622¹
- C₇H₉IO₃S** Benzoic acid, hydrazide, 622¹, 6275¹
Salicylaldehyde, hydrazine, 3363¹
Urea, phenyl, 23¹, 1107¹
- C₇H₉IN₂O** Benzoic acid, *p*-hydrazino-, 1238¹
Cyclopentapyrazole-3-carboxylic acid, 1,4,5,6-tetrahydro-, 553¹
- 2-Cyclopentaz[e]pyridazine 3(5)-one, 6,7-dihydro-4-hydroxy-, 589¹
2,6-Lutidine, 3 nitro-, 4240¹
Toluidine, nitro, *P* 2400¹, *P* 3810¹, 6811¹, 8580¹
Toluquinone, dioxime, 7634¹
- C₇H₉NO₃** Benzenesulfonamide, *N*-methyl-2 nitro-, 8-87¹
- C₇H₉NO₃S** Benzeneethiol, 2-amino-5-methoxy-3 nitro-, 7782¹
- C₇H₉NO₃S** Pyridinesulfonic acid, 6-acetamido-, and salt, 1739¹
Toluenediazonium sulfate, 9300¹
- C₇H₉NO₄** Mesovaldehyde, dioxime, *di Ac* deriv, 965¹
- C₇H₉NO₄S** Methoxybenzenediazonium sulfate, 9300¹
- C₇H₉NS** Formamide, *o*-aminothio-, *P* 7046¹
Urea, phenylthio-, 2790¹, 4077¹, 4700¹, 5818¹, *P* 6477¹, 9045¹
- C₇H₉NS** Selenobromine Theophylline, 12,4-dinitrophenyl-1-methyl, 5375¹
- C₇H₉O** (See also *Anisole*, *Benzyl alcohol*, *Cresol*)
3,5-Hexadiene-2-ol, 2-methyl-, 3550¹
- C₇H₉Se** 1-Propanone, 1 (2-selenophenyl)-6303¹
- C₇H₉O** (See also *Guaiacol*, *Solignum*)
1,4-Cyclohexadiene-1-carboxylic acid, 561¹
Cyclopentanone, 2-ethynyl-2-hydroxy-, 983¹
Ketone, methyl 5-methyl-2-furyl, 1316¹
Orcinol, 165¹, 3294¹, 3814¹
4-Penten-2-ynic acid, *Et* ester, 5682¹
4-methyl, *Me* ester, 5682¹
Phenol, methoxy, 3772¹, 4588¹, 9138¹, 9367¹
1-Propanone, 1 (2-furyl), 1316¹, 4593¹
Semenamide, 1-methyl, 541¹
1,4-Pyrone, dimethyl, 4874¹, 6159¹, 7664¹
Resorcinol, 2-methyl, 1297¹, 8183¹
- C₇H₉O₂** Sulfone, methyl phenyl, 1296¹
2-Thiophenecarboxylic acid, 2,5-di-methyl, 381¹
α-Toluenesulfonic acid, 8-72¹
- C₇H₉O₃** Cyclopentanone, 2,5-bis(hydroxymethylene), 589¹
2-Furoic acid, *Et* ester, 1283¹, 3786¹, 3787¹, 8607¹
Phloroglucinol, 2-methoxy-, 12126¹
Pyrocatechol, 3-methoxy-, 1631¹, 5303¹
Resorcinol, 2-methoxy (*o*), 6305¹
- C₇H₉O₃S** Thiophenecarboxylic acid, 5-methoxy-2-methyl, 7770¹
β-Toluenesulfonic acid, *Na* salt, 7749¹
- C₇H₉O₄** 3-Furanacetic acid, 2,5-dihydro-4-furan-2-yl-2-oxo-, 1108¹
3-Furanpropionic acid, 2,5-dihydro-4-hydroxy-2-oxo-, 4108¹
- C₇H₉O₃S** Guaisulfonic acid, *Na* salt, 1098¹, 7388¹
- C₇H₉O₃S** Benzenesulfonic acid, 2,5-dihydroxy-3-methoxy, 1688¹
- C₇H₉S** Tolueneethiol, 2214¹, 2498¹, 3004¹, 4192¹
- C₇H₉Se** Tolueneethiol, 155¹, 624¹
2,5-Dihydroxy-2-methyl phenyl, 5386¹
- C₇H₉AsN₂O** See *Carbazon*
- C₇H₉AsN₂O** Arsanilic acid, *N*-carbamyl-3-hydroxy-, *P* 6527¹
- C₇H₉AsO₃** *p*-Toluenearsonic acid, *o*-chloro-, 8584¹
- C₇H₉BrN₂O** 1-(Carbamylmethyl)pyrimidin bromide, 4247¹
- C₇H₉BrO₂** 2-Cyclopentenolone-1-one, 2-bromo-4-dimethyl, 7743¹
- C₇H₉BrO₃** 1,3-Cyclopentanedione-2-bromo-4,4-dimethyl, 7742¹, 7743¹
- C₇H₉Cl₂OS** 2-Benzimidazolethiol, *Cd* salt, 7229¹, 9138¹
- C₇H₉ClNO₃S** 3-Pyridinesulfonamide, 6-chloro-*N*-dimethyl-, 8610¹
- C₇H₉ClNO₃** Barbituric acid, *o*-chloro-5-isopropyl-, 140¹
Barbituric acid, 5-chloro-4-propyl-, 140¹
- C₇H₉ClN₂O** 1-(Carbamylmethyl)pyrimidin perchlorate, 4247¹
- C₇H₉ClO** 1-Cyclohexene-1-carbonyl-1-yl, 585¹
- C₇H₉ClN₂** See *Amiline*, *N*-methyl *Benzyl amine*, *Teluidine*
- Lutidine, 1232¹, 4248¹, 4248¹, 6546¹
1,3,5,6-Tetrahydro-2-methyl-, 4245¹
-*o*-boronate, *p* methyl, *P* 4272¹
- C₇H₉NO** (See also *Anisidine*, *Me* *o*), *Et* ester, 5335¹
Hydroxylamine, *N*-*p* tolyl-, 5413¹, 9300¹
- Phenol, *p*-methylamino-, 1576¹
1-Propanone, 1 (2-pyrryl)-, 5394¹
Pyridol, 2,6-dimethyl-, 4246¹, 7795¹
2-Pyrrylcarboxaldehyde, 3,6-di-methyl, 9320¹
- C₇H₉NO₃** Benzeneethiol, 2-amino-5-methoxy-, -*HCl*, 7782¹
4-Thiazoline, 4-methyl-, acetaldehyde, 3,4-dimethyl, *P* 8214¹
- C₇H₉NO** 2-Thiophenepropionamide, 1692¹
Pyridol, 2,6-dimethyl-, 4246¹, 7795¹
2-nitro-, 1239¹
Mazone, *Ac*-ethyl-β-methyl-, 3386¹
2(1) Pyridone, 1-(2-hydroxyethyl)-, 4593¹
Pyrrylcarboxylic acid, *Et* ester, 5393¹
Selenic acid, *o*-cyano-, *Me* ester, 77-8¹
- C₇H₉NO₃** Alamine, β-2-thienyl, 1692¹
Aniline, *p* (methylsulfonyl), *P* 1760¹, *P* 3331¹
- 5-Thiazolecarboxylic acid, 4-methyl-, 4247¹, 4249¹
β-Toluenesulfonamide, 4583¹, 6276¹
- C₇H₉NO₃S** Benzenesulfonic acid, *o*-methylamino-, 2110¹
Metanilic acid, *N* methyl, 2110¹
Sulfonic acid, *N* methyl, 2110¹
- C₇H₉NO₃** 1-Phenolsulfonic acid, 4-methylamino-, 1576¹
- C₇H₉NO₃S** Benzenesulfonic acid, 4-amino-5-methyl, 6201¹
- C₇H₉NS** Alamine, (methylsulfonyl), 154¹
- C₇H₉NaO₃S** Sulfamamide, sodium formaldehydesulfoxylate, 3318¹
- C₇H₉NS** Guanidine, phenyl, 5818¹
- C₇H₉NO** 2-Pyrrylcarboxamide, *N*, *N*-di-methyl-, 427¹
- 2-Pyrrylcarboxamide, *N*-ethyl-, *P* 4271¹
Pyridine, acetamidamino-, *HCl*, 985¹
Semenamide, 1-methyl, 541¹
Triazine, 3-hydroxy-3-methyl-1-phenyl-, 156¹
- C₇H₉NO₃** 4-Pyrimidol, 2-methyl-5-(thioformamidomethyl)-, *P* 5130¹, *P* 7048¹
- C₇H₉NO** Hydrazine, (6-nitro-*m*-tolyl), 3770¹
- 2-Pyrrylcarboxamide, *N*-2-hydroxyethyl-, *P* 4271¹
- C₇H₉NO₃** Urea, *p* sulfamylphenyl, *P* 6000¹
- C₇H₉O** β-*p*-Toluenesulfonic acid, 4213¹
- C₇H₉O₃** Benzenesulfonic acid, *p* methoxy-, 3794¹
- C₇H₉** Cycloheptadiene, 5290¹, 6256¹, 7185¹
1-Hepten-3-yn-, 3329¹
- C₇H₉AsNO₃** Aldarsone, 7390¹
- C₇H₉NS** 1-Methyl-4-methylmercapto-*p*-toluenesulfonamide, 6314¹
- C₇H₉NO** 3-β-*p*-Toluenesulfonic acid, 3-amino-, 1289¹
- C₇H₉NO₃S** Benzenesulfonic acid, 3-amino-4-methoxy-, 1283¹
- C₇H₉NO** (See also *1-Teluidamine*)
Benzimidazole, 4,6,7-tetrahydro-, 591¹
Cyclopentapyrazole, tetrahydrodimethyl-, 3731¹
Hydrazine, 1-methyl-2-phenyl, and *HCl*, 507¹
-*p* tolyl-4¹
Lutidine, amino-, *P* 175¹, 4246¹
p-Phenylendiamine, *Ac*-methyl-, 7750¹
Pimelonitrile, 8667¹
Pyrimidine, 2,4,6-trimethyl-, and -*HBr*, 3731¹
- C₇H₉NO** Ketone, methyl 5-methyl-2-furyl-, 1316¹
p-Phenylendiamine, 2-methoxy-, 7740¹
1-Propanone, 1 (2-furyl), hydrazine, 1316¹
- C₇H₉NO₃S** Thiazolepropionamide, 4-methyl-, *P* 2257¹
- C₇H₉NO₃** Alamine, *p*-4-methyl-*o*-thioformamidomethyl-, *P* 4212¹
- C₇H₉N** *o*-Barbituric acid, 3-ethyl-1-methyl-, 6802¹
- C₇H₉NO₃S** Benzenesulfonamide, 3-amino-4-methoxy-, 8-85¹
3-Pyridinesulfonamide, 1,6-dihydro-5-*N*-methyl-6-oxo-, 8610¹
- C₇H₉NO₃S** Methanesulfonic acid, *p* sulfamylamino-, *Ac* salt, 7376¹
- C₇H₉NO** 2-Pyrrylcarboxamide, *N*-(2-aminoethyl)-, *P* 4271¹
- C₇H₉NO** 3-Ketone, 2-hydroxy-4-methyl-5-thiazolyl methyl, semicarbazone, 7733¹
- C₇H₉NS** Pyrimidine, 4-amino-2-methyl-5-

- C₇H₁₁N₂O Butyraldehyde, β , β -dimethyl-
- α -oxo-, semicarbazone, 7731¹.
- C₇H₁₁N₂O Caproic acid, δ -oxo-, semi-
carbazone, 1409, 5855⁴.
- Levulinic acid, α -methyl-, semicarbazone,
1272².
- Valeric acid, δ -formyl-, semicarbazone,
7283³.
- C₇H₁₁O₂ (See also *Cycloheptane; Cyclohexane*,
C₆H₁₀.)
- 1-Butene, 2,3,3-trimethyl-, 7535⁴.
- Cyclopentane, dimethyl-, 1291¹, 3760²,
4968³.
- ethyl-, 3760², 5389⁴.
- Heptene, 1253¹, 1427, 6793², 7535⁴.
- 2-Hexene, methyl-, 3758¹, 6793², 7535⁴.
- Pentene, dimethyl-, 1253¹, 3759¹, 4379²,
7535⁴, 8175⁵.
- 2-ethyl-, 6703³.
- C₇H₁₁Br₂ Pentane, 1,2 dibromo-4,4 di-
methyl-, P 4744¹.
- C₇H₁₁Cl₂N Butylamine, 3-chloro-*N*,*N*-
dimethyl- 2-methyl-, and
-HCl, 4196².
- Piperidine, 1-(2-chloroethyl)-, 3795⁴.
- C₇H₁₁Cl₂O 2-Butanone, 1-(2-chloro-
ethyl)-, semicarbazone, 6243³.
- C₇H₁₁Cl₂ Heptane, 1,1 dichloro-, 4189².
- C₇H₁₁Cl₂O 2-Hexanol, 1-chloro-2-
(chloromethyl)-, P 1447¹.
- C₇H₁₁CrN₂S, 5314¹.
- C₇H₁₁F₂ Heptane, 1,1-difluoro-, 4189².
- Butyronitrile, α -dimethylamino- α -
methyl-, 4584¹.
- Isobutyronitrile, α -ethylmethylamino-,
4584¹.
- Isovaleronitrile, α -dimethylamino-, 4584¹.
- Propionitrile, α -dimethylamino-, 4584¹.
- Valeronitrile, α -dimethylamino-, 4584¹.
- C₇H₁₁N₂O Hydrant, *N*-methyl-, -HCl,
4584¹.
- 1-Furipiperidineacetamide, P 3811¹.
- C₇H₁₁N₂O 3,4-Heptanedione, dioxime,
4060¹, 5900².
- Urea, dimethylbutyl-, P 1447¹, 2107².
- C₇H₁₁O₂S₂ Diethylenesulfone, 2107².
- C₇H₁₁O₂S₂ Diethylenesulfone, 6750⁴.
- C₇H₁₁O₂S₂ Glutarimide, hydroxydimethyl-
oxycarbonyl-, 6250⁴, 6251⁴.
- C₇H₁₁O₂S₂ Semicarbazide, 1-(1-cyano-1-
methyl-), 6243³.
- C₇H₁₁O₂PT, 8138⁵.
- C₇H₁₁O₂ (See also *Butyrene; Cyclohexanol*,
methyl *L*-lactohydroxyde.)
- 2-Buten-1-ol, 2-isopropyl-, 4570¹.
- Cyclohexanol, 1409, 6256⁴.
- Cyclopentanethanol, 8170⁵.
- Cyclopentanemethanol, 3-methyl-,
7281³.
- Cyclopentanol, 1,2-dimethyl-, 1281¹.
- Ether, isopropyl 2-methylallyl-, P 3813¹.
- 2-methylallyl propyl-, P 3813¹.
- Furan, 2-ethyltetrahydro-5-methyl-,
1316¹.
- tetrahydro-2-propyl-, 1316¹, 5390².
- 2-Heptanone, 1668¹.
- Heptanol, 1204¹, 1658².
- 5-Hexen-3-ol, 4-methyl-, 3750⁴.
- Oxetane, 2,4-dimethyl-, 7277².
- Pentene, dimethyl-, 128¹, 1658², 3332³,
3758⁴.
- Pentanol, dimethyl-, 8175⁵.
- Pyran, 2-ethyltetrahydro-, 5390².
- C₇H₁₁O₂ Acetic acid, thiol-, 2,3-dimethyl-
propyl ester, 1659¹, isomyl ester,
1659¹.
- Bicyclo[2.2.2]thianium-1-octane base,
4996¹.
- 4-Thiapyranethanol, tetrahydro-,
4996¹.
- C₇H₁₁O₂ (See also *Lactic acid*.)
- Acetic acid, amyl ester, 265¹, 2300¹,
P 3813¹, 4484¹, 4960¹, 7630⁴, 8463⁵.
- 2-Methylpropyl ester, 6761².
- 1-Ethylpropyl ester, 1263¹, iso-
amyl ester, 7731¹.
- Butyric acid, isopropyl ester, 9138¹.
- α -methyl-, 1 ester, 458¹.
- Caproic acid, α -hydroxy- α -methyl-,
7734¹.
- Caproic acid, Me ester, 8173⁵.
- 1-Cyclopentanediol, 8578¹.
- Cyclohexanediol, 1,2-dihydro-, 148¹,
1678¹, 2472¹, 8180².
- 1,2-Cyclopentanediol, 1,2-dimethyl-,
1471¹.
- m-Diol, 2-ethyl 2-methyl-, 8169².
- 2,2,4-trimethyl-, 8169².
- 1,3-Dioxolane, 2-ethyl-, 2,4-di-
methyl-, 8169².
- Ethanol, 2 (2-pentenoxy)-, 4972².
- 2-Heptanone, 1-hydroxy-, 8372¹.
- Isovaleric acid, Et ester, 458¹.
- 2-Pentanol, acetate, 4194¹.
- Pivalic acid, Et ester, 128¹, 458¹.
- Propene, 1-sec-butoxy-2,3-epoxy-,
P 5860¹, P 8210¹.
- Propionic acid, sec-butyl ester, 5806¹.
- Isobutyl ester, 842¹.
- Pyran-4-methanol, tetrahydro- α -
methyl-, 600¹.
- Valeric acid, Et ester, 458¹.
- C₇H₁₁O₂S₂ 5,5-m-Dithianedimethanol, 2-
methyl-, 1650¹.
- C₇H₁₁O₂ Caproic acid, α -hydroxy-, Me ester,
8174¹.
- Caproic acid, α -methoxy-, 8174¹.
- Carbonic acid, Bu Et ester, 6692², diiso-
propyl ester, 9138¹, di-Pr ester,
6692², 6692², 9138¹, iso Pr ester,
6692².
- 1,1-Cyclopentanediolmethanol, 2-hydroxy-,
147¹.
- 1,3-Dioxolane, 4-(methoxymethyl)-,
2,2-dimethyl-, 7277².
- 2-(2-methoxypropyl)-, P 1345¹.
- Hydrogen peroxide, 1-hydroxycyclo-
heptyl-, 8176¹.
- 8576¹.
- Iactic acid, Bu ester, 1523¹.
- 2-Propanone, 1,3-diethoxy-, 2488¹.
- Valeric acid, α -butoxy-, Me ester,
8174¹.
- C₇H₁₁O₂S₂ Ethanesulfonic acid, 2 cyclo-
propyl-, *Na* salt, 8178¹.
- C₇H₁₁O₂ 1,3-Dioxolane, 2-(2-(hydroxy-
ethoxyethyl)-), P 5414¹.
- Erythroses, dimethylmethyl-, 7738¹.
- C₇H₁₁O₂ 2,3-Dimethyl-, 4203⁴,
6250⁴, 6253⁴.
- Arabinoside, 2-methylmethyl-, 6243³.
- Digalactose, 5809³.
- Fucopyranoside, methyl-, 5808³, 6804⁴.
- Fucose, methyl-, 5808³.
- Fucoside, methyl-, 6803⁴.
- Galactomethylpyranoside, methyl-,
6805⁴.
- Glucomethylpyranoside, methyl-, 6803⁴.
- Rhamnose, 2-methyl-, 5808³.
- Rhamnoside, α -methyl-, 6803⁴.
- C₇H₁₁O₂ 1-Fructoside, methyl-, 6803⁴, 6804⁴.
- Galactofuranoside, methyl-, 141¹, 8571¹.
- Galactopyranoside, 2-methyl-, 4203⁴, 6251⁴.
- Galactopyranoside, β -methyl-, 4201⁴.
- Galactoside, methyl-, 6803⁴.
- Glucopyranoside, methyl-, 4202⁴.
- Glucose, methyl-, 4963⁴, 6243⁴.
- Glucose, methyl-, 141¹, 2109², 2167²,
compd with KOH, 141¹.
- Gulopyranoside, α -methyl-, 4202⁴.
- Guloside, β -methyl-, 6803⁴.
- Mannofuranoside, β -methyl-, 2110⁴.
- Mannopyranoside, methyl-, 4201⁴, 6251⁴.
- Mannose, 6-methyl-, 6252⁴.
- Mannoside, α -methyl-, 6803⁴.
- Methylhexose, 2490¹.
- Pinolol, 2173¹.
- Quebrachitol, 4583³.
- Sorbose, 3-methyl-, 966¹.
- Sorboside, methyl-, 1277¹.
- Taratoside, α -methyl-, 3764¹.
- Thiamethylonic acid, Me ester, 8572¹.
- C₇H₁₁O₂S₂ 5,5-m-Dithianedimethanol, 2-
methyl-, disulfone, 1080¹.
- C₇H₁₁O₂ Glucoside, 3-methyl-, and
sals, 6245⁴.
- Manoheptulose, 6804¹.
- Mannonic acid, Me ester, 7278¹.
- Perseulose, 2109², 6382³.
- Rhamnohexonic acid, 4198¹.
- Sedoheptulose, 2109².
- C₇H₁₁O₂ Glucoside, 4584¹.
- C₇H₁₁AlCl₂N 3-(1-Chloroethyl) 1,1-
dimethylazetidinium chloraurate,
4198¹.
- C₇H₁₁Br₂ Pentane, 1-bromo-4,4 di-
methyl-, P 4744¹.
- C₇H₁₁BrClNO Choline, bromide, chloro-
acetate, 9334¹.
- C₇H₁₁BrN₂ (3-Cyanopropyl)trimethyl-
ammonium bromide, 4584¹.
- C₇H₁₁Br₂ Ether, 3-bromopropyl butyl-,
2120¹.
- C₇H₁₁BrN₂ Butylamine, 4-bromo-1-
(3-bromopropyl)-, -HBr, 5841¹.
- C₇H₁₁Cl₂ Hexachloroethyl-, 972¹.
- Pentane, chlorodimethyl-, 972¹.
- 3-chloro-3-ethyl-, 973¹.
- C₇H₁₁ClH₂ 4,4-Dimethylamylmercury
amide, 129¹.
- C₇H₁₁Cl₂NO Butyramidyl chloride, α -
ethyl-, α -semicarbazide-, 6243³.
- C₇H₁₁Cl₂ Ether, 3-chloroisobutyl iso-
propyl-, P 3813¹.
- Ether, 3-chloroisobutyl propyl-, P 3813¹.
- 2-Hexanol, 1-chloro-2-methyl-, P
4477¹.
- C₇H₁₁Cl₂N Chlorotriamine, 3-chloro-2-
(chloromethyl)-*N*,*N*-dimethyl-,
and salts, 4193¹, 4194¹.
- 3-(1-Chloroethyl)-1,1-dimethyl-
azetidinium chloride, 4198¹.
- C₇H₁₁Cl₂NO Choline, perchlorate, chloro-
acetate, 5350¹.
- C₇H₁₁Heptane, 1-iodo-, 4129².
- C₇H₁₁N₂ (1-Cyanopropyl)trimethyl-
ammonium iodide, 4584¹.
- (Cyanomethyl) diethylmethylammonium
iodide, 4584¹.
- (Cyanomethyl)dimethylpropylammonium
iodide, 4584¹.
- (Cyanomethyl)isopropylmethylammonium
iodide, 4584¹.
- (1-Cyanopropyl)trimethylammonium
iodide, 4584¹.
- C₇H₁₁NO 2-Carbamyl-1,1-dimethyl-
pyrrolidinium iodide, 5391¹.
- C₇H₁₁Li Lithium, heptyl-, 1291¹.
- C₇H₁₁N₂ Cyclohexanecarboethylamine, 9295¹,
HCl, 537¹.
- Piperidine, 1-ethyl-, 7779¹.
- Pyrridine, 1-ethyl-2-methyl-,
5393¹, 5845¹.
- C₇H₁₁NO Butyramide, α -ethyl-*N*-methyl-,
1274¹.
- Isoentanamide, 810¹.
- 2-Piperidinethanol, 4250¹, 6851¹.
- 2-Pyrrolidinemethanol, ethyl-, 5393¹,
5394¹.
- C₇H₁₁NO Butyric acid, γ -dimethylamino-
 α -methyl-, 5851¹.
- Caproaldehyde, α -hydroxy- α -methyl-,
oxime, 7734¹.
- C₇H₁₁NO Carbacic acid, 2-butoxyethyl
ester, 2938¹.
- Carbazine, 4260¹.
- Ethanol, 2-butoxy-, carbamate, 1274¹.
- 2-sec-butoxy-, carbamate, 1274¹.
- isobutoxy-, carbamate, 1274¹.
- C₇H₁₁NO₂ Alcohols, amino- α -methyl-, 2110⁴.
- Arabinoside, dimethyl-, 6250⁴, 6253⁴.
- L-glucosamine, methyl-, 2110⁴.
- Glucosamine, methyl-, HCl, 2491¹.
- Glucoside, 3-ammonomethyl-, and -HCl,
1270¹.
- C₇H₁₁NO 3-Hexanone, 4-hydroxy-, semi-
carbazone, 2103¹.
- C₇H₁₁ (See also *Heptane*.)
- Butane, trimethyl-, 4574¹, 6231¹, 6791¹,
8110¹.
- Hexane, methyl-, 119¹, 4574¹, 6231¹,
8110¹, 9291¹.
- Pentane, dimethyl-, 119¹, 4574¹, 5743¹,
6314¹, 6791¹, 8110¹.
- 3-ethyl-, 3760², 8110¹.
- C₇H₁₁NO₂ Lactide, 2109².
- C₇H₁₁Cl₂NO Choline, acetyl-, chloride,
5359¹.
- C₇H₁₁Cl₂HgS₂ Sulfide, ethyl isomyl,
compd with HgCl₂, 1659¹.
- C₇H₁₁NO 2-(Hydroxymethyl)-1,1-
dimethylpyrrolidinium iodide, 5394¹.
- C₇H₁₁NO₂ Lysine, *N*-methyl-, 2305¹.
- C₇H₁₁N₂S Carbacic acid, (2-diethyl-
aminoethyl)thio-, betaine, and
sals, 5807¹.
- C₇H₁₁O₂ (See also *Heptanol; Heptyl
alcohol*.)
- 2-Butanol, 2,3,3-trimethyl-, 916¹,
972¹.
- Ether, 2,2-dimethylpropyl ethyl,
6276¹.
- Hexanol, methyl-, 916¹, 972¹, 3147¹,
4190¹, 7274¹.
- Pentanol, dimethyl-, 1284¹, 916¹, 972¹,
974¹.
- ethyl-, 916¹, 973¹, 4190¹.
- C₇H₁₁O₂ Acetone, di Et ketal, 9139¹.
- C₇H₁₁O₂ 2-Butanone, 4-methoxy-, di Me
ketal, P 2331¹.
- 1,2-Propylene 3-sec-butoxy-, P 8210¹.
- 2-Propanol, 1,3-diethoxy-, 2488¹.
- C₇H₁₁O₂ Methane, bis(2-methoxyethoxy)-,
P 932¹.
- C₇H₁₁O₂S₂ See *Sulfonal*.
- C₇H₁₁O₂ Galactoside, methyl-, 2109⁴.
- Mannoheptitol, 6182¹.
- C₇H₁₁S₂ Sulfide, 1,2-dimethylpropyl ethyl,
and compd with P₂O₅, 1654¹.
- Sulfide, ethyl isomyl, compd with
HCl, 1659¹.
- C₇H₁₁Cl₂NO Choline, chloride, methyl-
carbamate, P 3393¹.
- 2-Hydroxypropyltrimethylammonium
chloride, carbamate, P 3393¹.
- C₇H₁₁Cl₂N 1,2-(2-Chloroethyl)ethyl
trimethylammonium chloride, 5358¹.

C_6H_5ClNO Styrene, *o*-chloro- β -nitro-, 1284¹
 C_6H_5ClNS 2 - Benzothiazolomethone, chloro-3-methyl-, 4243^{3,4}
 $C_6H_5ClN_2O$ Ethanol, 2 - (chlorotriminoanilino)-, nitrate, 1257²
 $C_6H_5ClO_2$ 2 - 2-chloro-3-carboxylic acid, 3,4 - dichloro 1 - 5-tiazocarbonyl, Et ester, 2306⁴
 $C_6H_5Cl_2NO$ Ethanol, 2 - (2,4 - dichloro- γ -dimethylamino)-, nitrate, 1257²
 $C_6H_5Cl_2O$ Toluyl chloride, *o*-chloro-, 6273⁵
 $C_6H_5Cl_2O_2$ Toluene, α ,2 - dichloro 4,5-methylenedioxy-, 1294¹
 $C_6H_5Cl_3O$ Benzoic acid, 3,5 - dichloro-2-methoxy-, and salts, 2121⁶
 $C_6H_5Cl_3O_2$ Benzoylphenyl chloride, *o*- (chlorosulfonyl)-, nitrate, 2117⁷
 $C_6H_5Cl_3Sn Di$ 2 - thienyltin dichloride, 5820⁸
 $C_6H_5Cl_4NO$ Acetanilide, trichloro-4-hydroxy-, 1641⁹
 $C_6H_5NO_2$ Benzoic acid, *N* cyano-, ceriumum salt, 3333¹
 $C_6H_5NO_2S$ 2 - Benzothiazolocarboxaldehyde, imide, 1740²
 $C_6H_5NO_2Si$ Indole, 7-nitro-, 6337³
 Isatin, 5-amino-, β 1761⁴
 $C_6H_5NO_2SO_2$ Naphthyl-2-sulfonate, 2525⁵
 1,4 - Phthalazinedione, 2,3 - dihydro-, 6319⁶
 Phthalimide, 4 amino-, 5827⁷
 $C_6H_5NO_2SO_3$ 5-nitro-, 1294⁸, 9315⁹
 $C_6H_5NO_3$ Anthranic acid, 3 thiocyno-, 8181¹⁰
 Hydantoin, 5 - (2 thienylmethylene)-, 1692¹¹
 $C_6H_5NO_3S$ Selenocyanic acid, nitrotoyl-, 154¹²
 $C_6H_5NO_3SO_2$ Amsonilic, 2 nitro-, β 177¹³
 Oxandole, 6 nitro-, 1293¹⁴
 $C_6H_5NO_4$ Benzothiazole, 6-methoxy-, 7782¹⁵
 $C_6H_5NO_4SO_2$ Pyroledicarboxylic acid, 3 (cyanomethyl)-, 2899¹⁶
 $C_6H_5NO_5$ Anthranic acid, γ formyl-, nitro-, 4944¹⁷
 $C_6H_5NO_5SO_2$ Anthracene, 1,2-dihydro-4 (hydroxymethyl) 6-methyl-3 nitro-2-oxo-, lactone, 5395¹⁸
 $C_6H_5NO_5SO_3$ 6 - Phthalazulonesulfonic acid, 1,2,3,4-tetrahydro 1,4-dioxo-, compd with NH_3 , 7666¹⁹
 $C_6H_5NO_6$ Toluic acid, dinitro-, 1294²⁰, 1293²¹
 $C_6H_5NO_7$ Pyridine, 3 (2-nitro-3-pyrazolyl)-, 3127²²
 $C_6H_5NO_8$ Formamide, 3 (2-nitro-3-pyrazolyl)-, 3127²²
 $C_6H_5NO_8SO_2$ Hydronic acid, 2,2-dithio-, 3333²³
 $C_6H_5NO_9$ Ethanol, 2 picryl-, nitrate, 8223²⁴
 $C_6H_5NO_9SO_2$ Pentryl-, 1257²⁵
 C_6H_5O See Benzofuran
 C_6H_5OS 3 Thianaphenol-, 4906²⁶
 $C_6H_5O_2$ Benzofuranol, 2,2,70, 5158²⁷
 Phycosal, phenyl-, 7287²⁸
 Phthalide, 5207²⁹
 Terphenylaldehyde, 1659³⁰
 $C_6H_5O_3$ (See also $Picronal$)
 (3(2) Benzofurazone, 4 hydroxy-, 5604³¹
 1,4-Cyclohexadiene 1,2 dicarboxylic anhydride, 563³²
 Phthalaldehyde acid, 4 hydroxy-, 168³³
 Phthalaldehyde acid, 5185³⁴
 $C_6H_5O_4$ Acetylsalicylic acid, 2137³⁵
 mercapto-, 2 lactone, 2130³⁶
 (3(2) Thianaphenone, 1-dioxide, 2117³⁷
 $C_6H_5O_5$ (See also $Phthalic$ acid)
 Isophthalic acid, 6-hydroxy-, 6157³⁸
 Isophthalic acid, 8-hydroxy-, 6157³⁸
 Protocatechuic acid, 6121³⁹
 Terphenylaldehyde acid, 6254⁴⁰
 $C_6H_5O_5SO_2$ Acetic acid, (3,6-dioxo-1,4-cyclohexadiene-2-carboxylic acid, 2137⁴¹
 $C_6H_5O_6$ 4 Cyclohexene 1,2 dicarboxylic anhydride, 3,6 endo- epoxy 4 hydroxy-, 6303⁴²
 2 - Furanylacetic acid, 5 carboxy-, 4133⁴³
 Isophthalaldehyde acid, 2,4 dihydroxy-, 1277⁴⁴, 457⁴⁵
 Phthalic monoperacid, 2118⁴⁶
 Pteropyronic acid, 2 hydroxy-, 164⁴⁷
 $C_6H_5O_7$ Iperonic acid, 2,5-dihydroxy-, 163⁴⁸
 $C_6H_5O_8$ (See 3,4) - β -dioxo, 5,7 dicarboxylic acid, 2118⁴⁹
 $C_6H_5O_9$ Di-anaphthyl-, 4, 7, 446⁵⁰, 1304⁵¹

- C₁₂H₁₉N₃O₄ Hydrazine, (2,4-dinitrophenyl)di-
amides, 675²
- C₁₂H₁₉N₃O₄ Hydantoin, 5,5'-dithiodimeth-
ylenedi, 6215⁴
- C₁₂H₁₉N₃O₄ Thiurea, 1 phenyl 2,5 dithio-
598⁴
- C₁₂H₁₉N₃O₄ 1,3 Cyclohexanedicarbonyl azide,
4268²
- C₁₂H₁₉O₄ (See also Phenethyl alcohol, *Phene-
tol Xylolol*)
Anisole, methyl, 2130¹, 3310¹, 6267¹,
9158¹
Benzyl alcohol, methyl-, 2510¹, 2890¹,
4374¹, 4771¹, 5766¹
1,3 Cyclohexanedene-1-carboxaldehyde, 6-
methyl, 4501¹
P-ter, benzyl methyl, 8186¹
Ihenol, o ethyl, 1614¹
- C₁₂H₁₉O₄ (See also *Veratrole*)
Amyl alcohol, 1224¹, 7768¹
Benzene, dimethoxy, 3222¹, 9138¹
Licyclo[2,2]octane 2,5 dione, 2896¹,
7743¹
- 1 Butanone, 1-(2-furyl), 4593¹
Crocon, 6243¹
- 1,3 Cyclohexanedene-1-carboxylic acid, 0
methyl, 4501¹
- Cyclopentanone, 2 ethynyl 2 hydroxy 5
methyl, 981¹
- Homocoumarin, 6587¹
- Hydroquinone, ethyl, 2511¹
- p* (Cinnol, 16)
4 Penten-2-ynoic acid, 4 methyl, 1¹
ester, 562¹
- Tricyclo[2,2,0]heptan-3-one, 6 hy-
droxy 4 methyl, 128¹
- Xylohydroquinone, 3213¹, 3378¹, 4214¹,
6706¹
- C₁₂H₁₉O₄ 1 Thianesulfonic acid, 2 phenyl, 7¹
sulf, 618¹
- C₁₂H₁₉O₄ 3 Benzene-selenenic acid, o ethyl,
4241¹
- C₁₂H₁₉O₄ 2 Transpropionic acid, 5 methyl,
6301¹
- Methacrylic anhydride, 1 2013¹, 9688¹
- Ihenol, dimethyl-, 5773¹, 6278¹, 6302¹
1,2-1-pyrone, 6-hydroxy 4-isopropyl,
5807¹
- p*-Toluidylhydrazine, 3 methoxy, 2511¹
a,a'-2-Xylenetriol, 878¹
- C₁₂H₁₉O₄ 1 Thianesulfonic acid, 2 phenyl-
N salt, 572¹
- 3-Thiophene-carboxylic acid, 5 ethoxy 2
methyl, 777¹
- Toluene-sulfonic acid, Me ester, 1189¹
methyl-, and Na salt, 6278¹
- C₁₂H₁₉O₄ 1 Thianesulfonic acid, phenylmer-
capto, and salts, 6277¹
- C₁₂H₁₉O₄ 1-Cyclobutene-1,2-dicarboxylic acid,
di Me ester, 6248¹
- 1-Cyclohexene-1,2-dicarboxylic acid, 66¹
Hydroquinone, 2,3 dimethoxy, 161¹
(triazole acid, diallyl ester, 1 536¹)
- C₁₂H₁₉O₄ 1 Cyclohexene-1-carboxylic acid, 1
hydroxy 4,6-methyleneedioxy, 677¹
- 3 Furancarboxylic acid, 2,6 dihydro-4 hy-
droxy 2 oxo, 1 ester, 4108¹
- 3 Furancarboxylic acid, 2,6 dihydro-4
hydroxy 5 methyl 2 oxo, 1101¹
- 3 Furancarboxylic acid, 2,6 dihydro-4 hydroxy 5
methyl 2 oxo, 1 ester, 4198¹
- C₁₂H₁₉O₄ 1 Thianesulfonic acid, 2 (phenylsul-
fonyl), and Na salt, 6277¹
- C₁₂H₁₉O₄ Adipic acid, a, a'-dioxo, di Me ester,
618¹
- Pyrrhonic acid, lactone, diacetate, 680¹
lactonic acid, a, a'-dimethyl-, γ lactone,
1274¹
- Mucronic acid, a, a'-dihydroxy, di Me
ester, 6214¹
- C₁₂H₁₉O₄ 2,3 Butadienyl sulfide, P 131¹
sulfide, ethyl phenyl, compd. with P₂Cl₄,
4318¹
- n* Tenehydric acid, a methyl, 6278¹
- C₁₂H₁₉O₄ 5-terpene, ethyl phenyl, 4976¹
- C₁₂H₁₉O₄ 2,4 Xylenearsonic acid, 157¹
- C₁₂H₁₉O₄ 1 Ceneearsonic acid, *p* 2 hy-
droxy, 701¹
- C₁₂H₁₉O₄ 1 Ceneearsonic acid, *N*-dimethyl, com-
pound with HCl, 6261¹
- C₁₂H₁₉O₄ Benzeneboronic acid, *p*-ethyl,
457¹
- C₁₂H₁₉O₄ 1,3 Cyclohexanedione, 2 bromo-
5,5-dimethyl, 8170¹
- C₁₂H₁₉O₄ 1,3 Cyclohexanedione, 2 bromo-
5,5-dimethyl, 7742¹
- C₁₂H₁₉O₄ *p* 1 Phenylendiamine, 2-chloro-
4,4'-dimethyl-, and HCl, 6121¹
- C₁₂H₁₉O₄ Barbituric acid, 6 butyl 5-
chloro-, 116¹
- C₁₂H₁₉O₄ 1,3 Cyclohexanedione, 2-chloro-
4,4'-dimethyl, 7742¹
- Acetic acid, 2-chloroethyl ester, 126¹
- C₁₂H₁₉O₄ 2-Ce Chloralates.
- C₁₂H₁₉O₄ 2,4(1,8)-s-Triazinedione, bis-
acetoxymercurydihydro-6-methyl-,
2247¹
- C₁₂H₁₉O₄ 1,3 Cyclohexanedione, 2 iodo 5,5-
dimethyl, 7712¹
- C₁₂H₁₉O₄ (See also *Aniline*, *N*, *N*-dimethyl,
Aniline, ethyl, *Collidine* *Phenethyl-
amine*, *Xylidine*)
Mercuric acid, a methyl, 987¹, 3115¹,
6276¹, -HCl, 6275¹
- Di 2,3 butadienylamine, 1 1314¹
- p* Toluidine, *N*-methyl, 2131¹, *nitrate*,
4211¹
- C₁₂H₁₉O₄ (See also *Phenethylamine*, *Tyramine*)
a-methyl-, *N*-methyl, 249¹
- 1-ethyl alcohol, a (aminomethyl-), 2088¹,
5141¹
- 1-thanol, 2-amino, 6303¹
- Phenol, (2-aminoethyl), *and salts*, 616¹
-, *p* ethylamine, 1 1474¹
- 3 1-phenylethanol, methyl, 7818¹, 8017¹
- 1-phenylmethanol, a, a'-dimethyl, and
-HCl, 7300¹
- 3 1-phenyl, 6-ethyl 2-methyl, 5397¹
-, 4,6 trimethyl, 4216¹
- C₁₂H₁₉O₄ 6124¹, 8937¹
- Aniline, dimethoxy, 4531¹ and -HCl,
4272¹
- Bicyclo[2,2,1] 5-heptene, 2 methyl 3
nitro, 1243¹
- 2 Furancarboxamide, 5 methyl, 6301¹
- 2,6 1-phenylideneol, 4 isopropyl, 5877¹
- 3 1-phenylmethanol, 5 hydroxy 4,6 di
methyl, and HCl, 6017¹
- C₁₂H₁₉O₄ 5-Amino-*N* methyl *p* (methylsul-
fonyl), 1 1767¹
- 1-thianesulfonamide, 2 phenyl, 572¹
- 5 Thiazoleacetic acid, 4 methyl, 1 ester,
1 2288¹
- 5 Thiazole-1-ethanol, 4 methyl, acetate,
1 2287¹
- p* Toluene-sulfonamide, *N* methyl, 987¹,
1189¹
- C₁₂H₁₉O₄ (See also "I" under *Vitamins*)
Arteric acid, 241¹, 6414¹, 8737¹
- 1-oxalylol, 5 (2-aminoethyl), and acid
sulfate, 613¹
- 3 Pyrrholpropionic acid, hydroxy 1 meth-
yl, 264¹
- C₁₂H₁₉O₄ 1-thanol, 2 (*p* aminophenylsul-
fonyl), 1990¹
- 5 Thiazoleethanol, 2 hydroxy 1 methyl,
5 acetate, 1 2288¹
- C₁₂H₁₉O₄ Compd. m 200¹, 687¹
- C₁₂H₁₉O₄ 5-Amino, 2,4 bis(methylsulfonyl),
1 673¹
- C₁₂H₁₉O₄ 5-Amino, o-(ethylsulfonyl), 155¹
m Toluene, (methylsulfonyl), 155¹
- C₁₂H₁₉O₄ 5-Amino, o-(ethylsulfonyl), 155¹
m Toluene, (methylsulfonyl), 155¹
- C₁₂H₁₉O₄ 5-Amino, 2,4 bis(methylsulfonyl),
1 673¹
- C₁₂H₁₉O₄ 1 1-Propamine, 1 (2-phenylsulfonyl)
semicarbazone, 6303¹
- C₁₂H₁₉O₄ 1-Hydroxyl, 1 methyl 1 (6 nitro
methyl), 3771¹
- Ketone, methyl 5 methyl 2 furyl, semi-
carbazone, 1316¹
- 1 1-Propamine, 1 (2-furyl), semicarbazone
1516¹, 9320¹
- 5 Pyrrhidinecarboxylic acid, 4 amino 2
methyl, 1 ester, 1 200¹
- o Toluic acid, 5-amino-a-hydroxy, hydro-
xy, 7737¹
- C₁₂H₁₉O₄ 1-Phenylsulfonamide, 6 (allyl
amino), 1734¹
- C₁₂H₁₉O₄ 2,3,4-Fropanetrione, 2,4 dioxime,
-HCl, 4142¹
- C₁₂H₁₉O₄ 1-Pyrene, 2-ethoxy 5 hydroxy,
thiomercaptoacetic acid, 1761¹
- 5 Thiazoleacetic acid, 2,4 dioxo 2
azine with acetone, 6410¹
- C₁₂H₁₉O₄ Barbituric acid, 5 acetonyl,
1 1101¹
- 1,4 1-pyrene, 2-ethoxy-6 hydroxy, semi-
carbazone, 3765¹
- 2,4(1,3)-s-Triazinedione, dihydro 6 meth-
yl, di Ac deriv., 2574¹
- Urethane, methyl, compd. with *p* nitro-
phenol, 4107¹
- C₁₂H₁₉O₄ 1-guanidine, phenyl, salts, 431¹
- C₁₂H₁₉O₄ 5-Benzene-sulfonic acid, *p* ethoxy,
1 1296¹
- C₁₂H₁₉O₄ Bicyclo[2,2,1]-5-heptene, 2 methyl,
1 1296¹
- 1,3 Butadiene, dimer, 3124¹
- 1,3 Cyclohexadiene, 2,3-dimethyl,
1 1296¹
- Cyclohexene, vinyl, 1281¹, 4968¹, 8482¹
Cyclooctyne, 1284¹
- 1 Octen-3-yne, 3129¹
- C₁₂H₁₉O₄ Arsenic acid, (2 hydroxy
ethyl), 2118¹, Na salt, 259¹
- C₁₂H₁₉O₄ 1-Cyclooctene, 1 bromo-2-chloro-,
1282¹
- C₁₂H₁₉O₄ Cu₂ 2150¹, 4898¹
- C₁₂H₁₉O₄ Cu₂ Acetoacetamide, Cu complex,
138¹
- C₁₂H₁₉O₄ 5-Carboxy 3,4-dimethylthio-
luric iodide, 1¹ ester, 597¹
- C₁₂H₁₉O₄ 5-Benzene-sulfonamide, *p* dimethyl-
amino-, 1284¹
- C₁₂H₁₉O₄ 1-phenylideneol, tetrahydroxymethyl,
1 1810¹
- 1-Collidine, 3-amino-, 4266¹
- 1-Phenylendiamine, phenyl 5701¹, 9181¹
Hydrazine, 1-phenyl 2-methyl, -HCl,
557¹
- Imidazo[1,2-a]pyridine, 5,6,7,8 tetra-
hydro-2-methyl-, 2179¹
- p*-Phenylendiamine, dimethyl-, 1820¹,
553¹, 5560¹, 7750¹
- C₁₂H₁₉O₄ 1-phenyl alcohol, a (hydrozino-
methyl), 6757¹
- 1-thanol, 2-(aminomethyl), and -HCl,
6275¹
- Phenol, m [2-aminoethyl]amino, 5504¹
- C₁₂H₁₉O₄ 5-Benzene-sulfonamide, *p* amino-
N dimethyl, 2139¹, *p* 731¹, 1
701¹
- C₁₂H₁₉O₄ (See also *Barbitol*)
3-ethyluric acid, 3-ethyl butyl, 1373¹
- 1-Cyclopentene 1-oxoethyl, 2 hydro-
xy, methylhydrazine, 6303¹
- 1-ethyluric acid, 3-ethyl, 6303¹
- C₁₂H₁₉O₄ 5-Benzene-sulfonamide, *p*-amino-
N dimethyl, 2139¹, 8235¹,
8281¹
- 1-phenylsulfonic acid, 5-amino 2-dimeth-
ylamino, 7778¹
- o Toluene-sulfonamide, 4-amino-5-meth-
oxy, *p* 1444¹
- C₁₂H₁₉O₄ 5-Benzene acid, 3-amino-5-allyl
luric acid, compd. with urea, 1285¹
- C₁₂H₁₉O₄ 1-Histidine, glycol, 6701¹
- C₁₂H₁₉O₄ Guanidine, *p*-phenylendiol, and di
HCl, 58¹
- C₁₂H₁₉O₄ Hydrazine, dimethyl 1,1' (4,6
dimethyl-*p*-phenylene), 5701¹
- Hydrazine, 1,1' (4,6 dimethyl-*p*-phenyl-
ene) is, 1 1-thanol, 6757¹
- C₁₂H₁₉O₄ 1-cyclo[1,2]octan-1-one, 677¹
- 1-cyclohexenol, 1-ethyl, 7774¹
- Cyclohexanone, ethylidene, 444¹
- 2 Cyclohexen-1-one, 2,6-dimethyl, 7776¹
2 Cyclopenten-1-one, 2,4,4-trimethyl,
7742¹
- 1 2,4,6-trimethyl-1,1-dimethyl-2
pyrrol methyl, 568¹
- 1-uran, 2,3 dihydroxymethylpropenyl,
284¹
- 5 Hepten-4 yn-3-ol, 3 methyl, 6682¹
- 1-Hexen-3 yn-2-ol, 2 methyl, 6682¹
- C₁₂H₁₉O₄ 1,3 Cyclobutanedione, tetramethyl,
444¹
- 1-Cyclohexanone, 5,5-dimethyl,
144¹, 7742¹, 8170¹
- Cyclohexanone-carboxylic acid, methyl
201¹, 3759¹
- 2 Cyclohexen-1-ol, acetate, 4769¹
- 1 7-Dioxo hydrolyd 2 2-dicane, 2339¹
6-Hydroxy 2-one, 6 hydroxy 5 methyl,
327¹
- 2 5-Hexadien-1-ol, acetate, 3769¹
- 1,6 Octadien-4-one, 5 hydroxy, 4533¹
- 1-Pentenol, 4,4 hydroxy 2-propyl,
1 1101¹
- C₁₂H₁₉O₄ 5-Ianaphthene, 2,3,7a,4,7,7a
hexahydro, 1 dioxo, 123¹
- C₁₂H₁₉O₄ Cyclopentanecarboxylic acid, 1-oxo-
1 ester, 558¹
- Cyclopentanecarboxylic acid, 1-methyl,
145¹
- Cyclopentanone, 2-hydroxymethyl,
acetate, 147¹, 8189¹
- 1,3-Bisoxazolin-5-one, 4-dioxan-4-one, 8171¹
- 1,3-Bisoxazolin-5-one, 4-dioxan-4-one, 2
methyl, 8171¹
- 1-Oxaziridin-2-ylidene-2-carboxylic
acid, 2-methyl, and Na salt, 7743¹
- Succinic anhydride, m-6-dimethyl, 6247¹
- C₁₂H₁₉O₄ Acetoacetic acid, a acetyl, 1¹
ester, 4218¹
- Crotonic acid, 2-methylallyl ester, 1
876¹
- 1,2-Cyclobutanedicarboxylic acid, di Me
ester, 6719¹
- Cyclohexanedicarboxylic acid, 1377¹,
3171¹
- 1,2-Cyclobutanedicarboxylic acid, 1-
ethylpropyl, 17014¹
- Dinnic acid, 6,54¹
- 3-umaric acid, di 1 ester, 1273¹, 6799¹
- Glutamic acid, 1, *p* isopropyl, 5569¹
- 1-actone acid, m-12,4,1,1,1,1
Maleic acid, di 1 ester, 637¹, 127¹
676¹
- Norpic acid, 1574¹

- Ketone, cyclopentyl methyl, semicarbazone, 1676¹
- Pentenone, dimethyl, semicarbazone, 3758¹
- Tropinone, 2,4-diamino- and salts, 2142¹
- C₁₈H₁₅O₇** (See also *Cyclohexane, dimethyl*, *Disubstituted Oxane*)
- Butene, polymer with 2 methylpropene, 8382¹
- Cyclohexane, ethyl, 4966¹, 6033¹, 8461¹
- Cyclooctane, 2493¹, 4859¹
- Cyclopentane, 1-ethyl 2-methyl-, 1281¹
- , isopropyl-, 5369¹, 6254¹
- , propyl-, 5369¹, 6254¹
- 2-Heptene, 3-methyl-, 7535¹
- Hexene, dimethyl-, 2413¹, 4127¹, 6233¹, 7535¹, P 8625¹
- Isobutene, 1469¹
- Pentene, trimethyl-, 1263¹, 4579¹, 7535¹
- C₁₈H₁₅O₇·S₂**, 3284¹
- C₁₈H₁₅BrN** Piperidine, 3-(3-bromopropyl)-, -HBr, 7797¹
- C₁₈H₁₅Br** Octane, 4,5-dibromo-, 6791¹
- C₁₈H₁₅BrN** 2-Chloro-1-methylamino-2-chloro-*N,N*-dimethyl-, and -HCl, 3766¹
- C₁₈H₁₅ClNO** 3-Pentanone, 2 (2-chloroethoxy)-, semicarbazone, 6243¹
- C₁₈H₁₅ClHgO₅**, 3284¹
- C₁₈H₁₅ClN₂O** 2,2,4,4-Tetra-, 2060¹
- C₁₈H₁₅ClPtS₄**, 3284¹
- C₁₈H₁₅CuF₄S₄**, 3284¹
- C₁₈H₁₅CuS₄S₄**, 3284¹
- C₁₈H₁₅NO** 2-Carboxy-1,1-dimethylpyrrolidinium iodide, Me ester, 5334¹
- C₁₈H₁₅N** Butyronitrile, α -diethylamino-, 4584¹
- Butyronitrile, α -dimethylamino, β -dimethyl-, 4384¹
- , α -dimethylamino- α -ethyl-, 4584¹
- Glyconitrile, *N,N*-diisopropyl-, 4584¹
- , *N,N*-diisopropyl-, 4584¹
- Isobutyronitrile, α -diethylamino-, 4584¹
- Valeronitrile, α -dimethylamino- α -ethyl-, 4584¹
- C₁₈H₁₅NO** Acetaminde, butyrylethyl-, P 6490¹
- Cyclopentanone, 2-(dimethylamino)ethyl-, oxime, and -HCl, 3766¹
- C₁₈H₁₅NO** Cyclohexanecetic acid, α -hydroxy-, 6243¹
- 2,5-Heptanedione, 6-methyl-, dioxime, 3361¹
- Urea, (α -dimethylvaleryl)-, 2107¹
- , α -ethylbutyrylmethyl-, 1274¹
- , α -ethylbutyrylmethyl-, 1274¹
- C₁₈H₁₅NO** Succinamide, α , β -dimethoxy-*N,N*-dimethyl-, 1277¹, 3765¹
- C₁₈H₁₅NO₂** Cystine, *N,N*-dimethyl-, 4295¹
- Homocysteine, 8719¹
- C₁₈H₁₅NO₂** L-lysine, 4-acetamidate, 7738¹
- Glutaramide, α , β -dihydroxy- γ -methoxy-*N,N*-dimethyl-, 5509¹
- C₁₈H₁₅NO₂** Saccharamide, *N,N*-dimethyl-, 7835¹
- C₁₈H₁₅NO₂** 1,3-Cyclohexanedicarboxylic acid, dihydrazide, 4208¹
- C₁₈H₁₅NO** 2-Buten-1-ol, 2-*tert* butyl-, 4579¹
- C₁₈H₁₅NO** 2-Buten-1-ol, 2-*tert* butyl-, 4579¹
- Cyclohexanemethanol, 1-methyl-, 7281¹
- Cyclohexanol, dimethyl, 1281¹, 6810¹
- Ether, butyl 2-methylallyl-, P 3813¹
- Furan, 2-butyrtetrahydro-, 5390¹
- 3-Furanone, dimethyl-, 1289¹, 3332¹, 3758¹
- 2-Oxotane, 1608¹
- 3-Pentanone, 2,2,4,4-trimethyl-, 3332¹
- Pyran, tetrahydro-2-propyl-, 6004¹
- C₁₈H₁₅O₂** Acetic acid, thio-, hexyl ester, P 5870¹
- C₁₈H₁₅O₂** (See also *Caprylic acid*)
- 2-Butanone, 3-*sec* butoxy-, 5320¹
- 2-Butene, 1,3-diethoxy-, 4189¹
- Butyric acid, Bu ester, 902¹, *sec* butyl ester, 5806¹
- , β , β -dimethyl-, Et ester, 128¹
- , α -ethyl-, Et ester, 458¹
- Caproic acid, Et ester, 458¹
- , α -ethyl-, 3333¹, P 6627¹
- Crotonaldehyde, di-*t* butyl acetal, 1601¹
- Cyclohexanemethanol, 1-hydroxy-, 2493¹
- Cyclohexanemethanol, 1-hydroxy-, 2493¹
- , 1-hydroxy-, 2-ethyl-, 2,4-dimethyl-, 8169¹
- 1,3-Dioxolane, 2-*tert* butyl 2-methyl-, 816¹
- , 2-methyl-, Me ester, 8173¹
- , 2-heptanone, 3-hydroxy-3-methyl-, 1744¹
- 2-Hexanol, acetate, 4194¹
- 3-Hexene, 2,5-diol, 2,5-dimethyl-, P 6239¹
- 2-Pentanol, 4-methyl-, 1274¹
- Pyran 4-methanol, α -ethyltetrahydro-, 6004¹
- C₁₈H₁₅O₂** Butyric acid, γ -ethoxy-, Et ester, 458¹
- Caproic acid, γ -ethoxy-, 5851¹
- , α -ethoxy-, Me ester, 8174¹
- Carbonic acid, Bu Pr ester, 6592¹
- Cyclohexanemethanol, 1-hydroxy-4-methoxy-, 2493¹
- Enanthic acid, α -hydroxy-, Me ester, 8174¹
- Hydrogen peroxide, 1-hydroxycyclooctyl-, 8570¹
- Lactic acid, Am ester, 1523¹
- C₁₈H₁₅O₂** 1-Octanesulfonic acid, 3-hydroxy-, sulfone, 5806¹
- C₁₈H₁₅O₂** (See also *Metaldehyde*)
- Compd, m 199.5-201.5¹, 3339¹
- C₁₈H₁₅O₂** β -Dithiane, 2,2,5,5-tetramethyl-, 1281¹, 1589¹
- C₁₈H₁₅O₂** Arabinose, trimethyl-, 1672¹, 4203¹
- Arabinose, 2,3-dimethylmethyl-, 6250¹
- Arabinofuranose, 2,3,5-trimethyl-, 1672¹
- Rhamnofuranoside, α -ethyl-, 140¹
- Rhamnoside, 2-methylmethyl-, 5809¹
- Rhamnose, 3,4-dimethyl-, 7278¹, 9284¹
- C₁₈H₁₅O₂** Glucosulfonic acid, ethylthio-, 6251¹
- Glucosulfonic acid, α -ethylthio-, 6251¹, 6804¹
- Glucose, ethylthio-, 5809¹
- C₁₈H₁₅O₂** Dimethylhexose, 2490¹
- Galactose, 2,4-dimethyl-, 144¹
- C₁₈H₁₅O₂** Glucosulfonic acid, α -ethyl-, 5806¹
- C₁₈H₁₅O₂** 1,1-Cyclohexanedicarbonylsulfonic acid, and salts, 1679¹
- C₁₈H₁₅O₂** Mannoseptulose, α -methyl-, 6804¹
- Mannonic acid, Et ester, 7278¹
- C₁₈H₁₅O₂** Mannoside, 5353¹
- Pentane, 2-chloro-2,4,4-trimethyl-, 38¹
- C₁₈H₁₅O₂** Galactoside, 4-methyl-, 4964¹
- C₁₈H₁₅O₂** 1,1-Cyclohexanedicarbonylmethyl-, 1079¹
- β -Dithiane, 2,2,5,5-tetramethyl-, 1680¹
- C₁₈H₁₅Br** Heptane, 5-bromo-2-methyl-, 131¹
- Heptane, 1-bromo-5,6-dimethyl-, P 4744¹
- C₁₈H₁₅BrN** 1-Cyanobutyltrimethylammonium bromide, 4584¹
- (Cyanomethyl)trimethylammonium bromide, 4584¹
- C₁₈H₁₅BrN** Amylamine, α -bromo- β -(3-bromopropyl)-, -HBr, 7797¹
- C₁₈H₁₅Cl** Octane, 2-chloro-, 5355¹
- Pentane, 2-chloro-2,4,4-trimethyl-, 119¹
- C₁₈H₁₅ClHg** Octylmercury chloride, 1291¹
- C₁₈H₁₅ClO** Ether, butyl 3-chloroisobutyl-, P 3813¹
- 3-Octanol, 1-chloro-, 5804¹
- C₁₈H₁₅ClO₂** Butyraldehyde, β -chloro-, di-*t* butyl acetal, 1639¹
- C₁₈H₁₅ClS** Sulfide, 7-chloroethyl methyl-, 1265¹
- C₁₈H₁₅ClHrN₂O**, 2060¹
- C₁₈H₁₅ClHg** Sulfide, 7-chloroethyl methyl-, compd with HgCl₂, 1265¹
- C₁₈H₁₅ClO₂** Butyric acid, Cu salt, compd with EtS, P 4791¹
- C₁₈H₁₅Cl** Heptane, 3-iodomethyl-, 5355¹
- C₁₈H₁₅ClO**, 4129¹
- C₁₈H₁₅IN** Butyl(cyanomethyl)dimethylammonium iodide, 4584¹
- 1-Cyanobutyltrimethylammonium iodide, 4584¹
- (1-Cyanobutyl)dimethylammonium iodide, 4584¹
- (1-Cyanobutyl)trimethylammonium iodide, 4584¹
- (1-Cyano-1-methylpropyl)trimethylammonium iodide, 4584¹
- (Cyanomethyl)trimethylammonium iodide, 4584¹
- (1-Cyanopropyl)ethylmethylammonium iodide, 4584¹
- C₁₈H₁₅NO** 1,1-Dimethyl 2-methylcarbamyl cyanomethyl iodide, 5394¹
- C₁₈H₁₅NO** 3-Octanol, 1-iodo-, 5806¹
- C₁₈H₁₅Li** Lithium, 1-methylheptyl-, 53-5¹
- C₁₈H₁₅N** 1-Azoxane, octahydro-, 917¹
- Cyclohexanemethylamine, α -methyl-, and -HCl, 1674¹
- Cyclohexylamine, 4-ethyl-, 5816¹
- Cyclopentanemethylamine, α -methyl-, and -HCl, 1674¹
- C₁₈H₁₅NO** Butyramide, *N*-isobutyl-, 2983¹
- Caproamide, α -ethyl-, 1274¹
- Conhydrone, 4250¹
- Cyclopentanol, 2-(dimethylamino-methyl)-, and -HCl, 3765¹
- Morpholine, 4-butyl-, and -HCl, 4203¹
- Piperidine, 1-ethoxymethyl-, 5851¹
- Piperidinepropanol, 4250¹, 7797¹
- C₁₈H₁₅NO** 2-Heptanone, 3-hydroxy 3-methyl-, oxime, 7734¹
- Isobutyric acid, α -amino-, isobutyl ester, P 1412¹
- Morpholine, 4-(isopropoxymethyl)-, 7799¹
- 4-Morpholinopropanol, α -methyl-, 5853¹
- Nitroacetal, 2-ethylhexyl ester, 7421¹
- Octyl nitrate, 7495¹
- C₁₈H₁₅NO** Carbamic acid, 2-amoxylethyl ester, 2988¹
- Ethanol, 2-amoxylethyl-, carbamate, 1274¹
- , 2-ethylpropyl-, carbamate, 1274¹
- , 2-isomoxylethyl-, carbamate, 1274¹
- , 2-methylbutyl-, carbamate, 1274¹
- C₁₈H₁₅NO** Arabanamide, 2,3,5-trimethyl-, 1672¹
- C₁₈H₁₅NO** Glucanamide, λ -(2-hydroxyethyl)-, 7278¹
- Mannanamide, λ -(2-hydroxyethyl)-, 7278¹
- C₁₈H₁₅NO** Mannonactonamide, 5363¹
- C₁₈H₁₅NO** Enanthaldehyde, semicarbazone, 7180¹
- 2-Pentanone, 3,4-dimethyl-, semicarbazone, 3758¹
- Urea, 12-(1-piperidyl)ethyl-, P 3394¹
- C₁₈H₁₅NO** Caproaldehyde, α -hydroxy- α -methyl-, semicarbazone, 7734¹
- C₁₈H₁₅NO** 2-Propanone, 1,3-diethoxy-, 2458¹
- C₁₈H₁₅** (See also *Heptane*, *methyl*, *hexane*, *dimethyl*, *octane*, *pentane*, *trimethyl*)
- Butane, 2,2,3,3-tetramethyl-, 119¹, 1267¹, 163¹, 4127¹
- Hexane, 3-ethyl-, 4127¹
- Pentane, 3-ethylmethyl-, 4127¹, 4874¹, 6231¹
- C₁₈H₁₅NO** Choline, bromide, lactate, P 6599¹
- C₁₈H₁₅ClNO** (Hydroxymethyl)-1,1-dimethylglycidylidene chloride, 3379¹
- C₁₈H₁₅ClNO** (2-Hydroxypropyl)trimethylammonium chloride, acetate, 233¹, 221¹, 3001¹, P 5418¹, 5448¹
- C₁₈H₁₅ClNO** (3-Hydroxy-2-methylenebutyl)trimethylammonium perchlorate, 4197¹
- C₁₈H₁₅ClBr** Dibutylsulfide chloride, 1291¹
- C₁₈H₁₅NO** 1-Butanethiol, 1,1-dimethyl-, 1265¹
- C₁₈H₁₅NO** 2-Butylmercury selenite, 1267¹
- C₁₈H₁₅NO** 2-(1-Hydroxyethyl)-1,1-dimethylpyrrolidinium iodide, 5391¹
- (Hydroxymethyl)-1,1-dimethylpyrrolidinium iodide, 3379¹
- C₁₈H₁₅NO** (2-Hydroxypropyl)trimethylammonium iodide, acetate, P 4154¹
- C₁₈H₁₅NO** 1,1-Cyclohexanediol, *N,N*-dimethyl-, 1684¹
- C₁₈H₁₅NO** Lysine, α , β -*N,N*-dimethyl-, and -HCl, 2665¹
- 1,4-Piperazinediethanol, 2138¹
- C₁₈H₁₅NO** Leucinamide, compd with α -ClO₂, 8045¹
- C₁₈H₁₅NO** Carbamic acid, (2-diethylaminoethyl)methylthio-, butane-, and salts, 5807¹
- Carbamic acid, (3-diethylaminoethyl)thio-, butane-, and salts, 5807¹
- C₁₈H₁₅O** (See also *Octanol*, *ethyl alcohol*)
- Butyl ether, 2390¹, 4851¹
- Heptanol, methyl-, 1854¹, 4190¹
- Hexanol, dimethyl-, 124¹, 128¹, 1685¹
- , ethyl-, 1232¹, 4190¹, 53-34¹, 6793¹
- Pentanol, ethylmethyl-, 1685¹
- , trimethyl-, 128¹, 1685¹, 2104¹
- C₁₈H₁₅NO** Heptanol, 7-methylmercapto-, 1265¹
- C₁₈H₁₅NO** Lithanol, 2-(2-butoxyethoxy)-, 4639¹
- 2-Propanol, 1,3-diethoxy-2-methyl-, 652¹
- C₁₈H₁₅O** 3-Butyl sulfite, 2483¹, 5356¹
- C₁₈H₁₅O** Fthanol, 2,2-(2-methylmethoxy)di-, P 3813¹
- C₁₈H₁₅O** 3-Butyl sulfite, 5356¹
- 1-Octanesulfonic acid, 3-hydroxy-, salts, 5806¹
- C₁₈H₁₅O** Trional, 1873¹
- C₁₈H₁₅O** Rhamnosyl, 3,4-dimethyl-, 2284¹
- C₁₈H₁₅O** Ethoxyethyl sulfite, 2120¹
- C₁₈H₁₅O** Rhamnosyl, di Me acetal, 1404¹
- C₁₈H₁₅O** Fructose, di Me acetal, 680¹